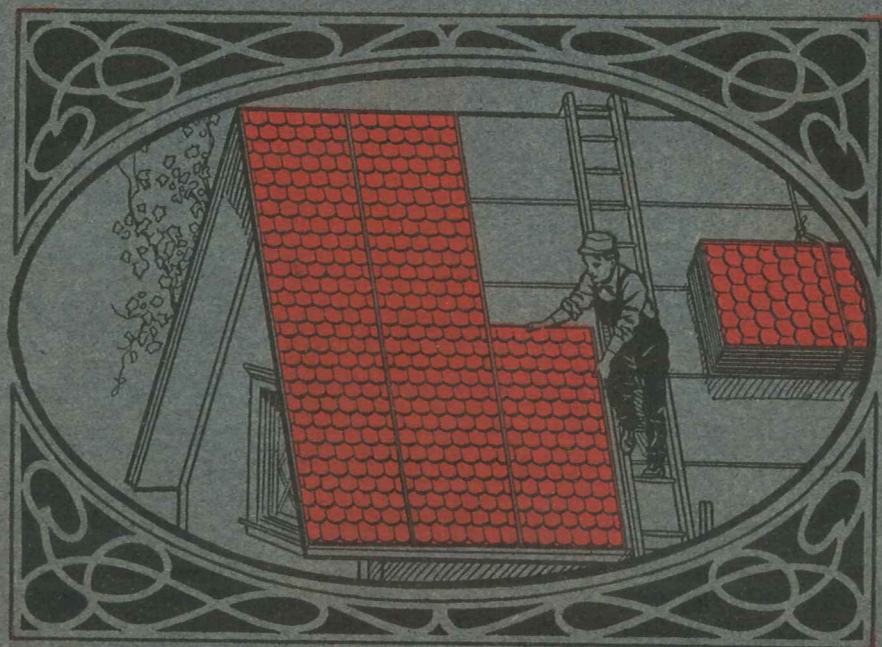


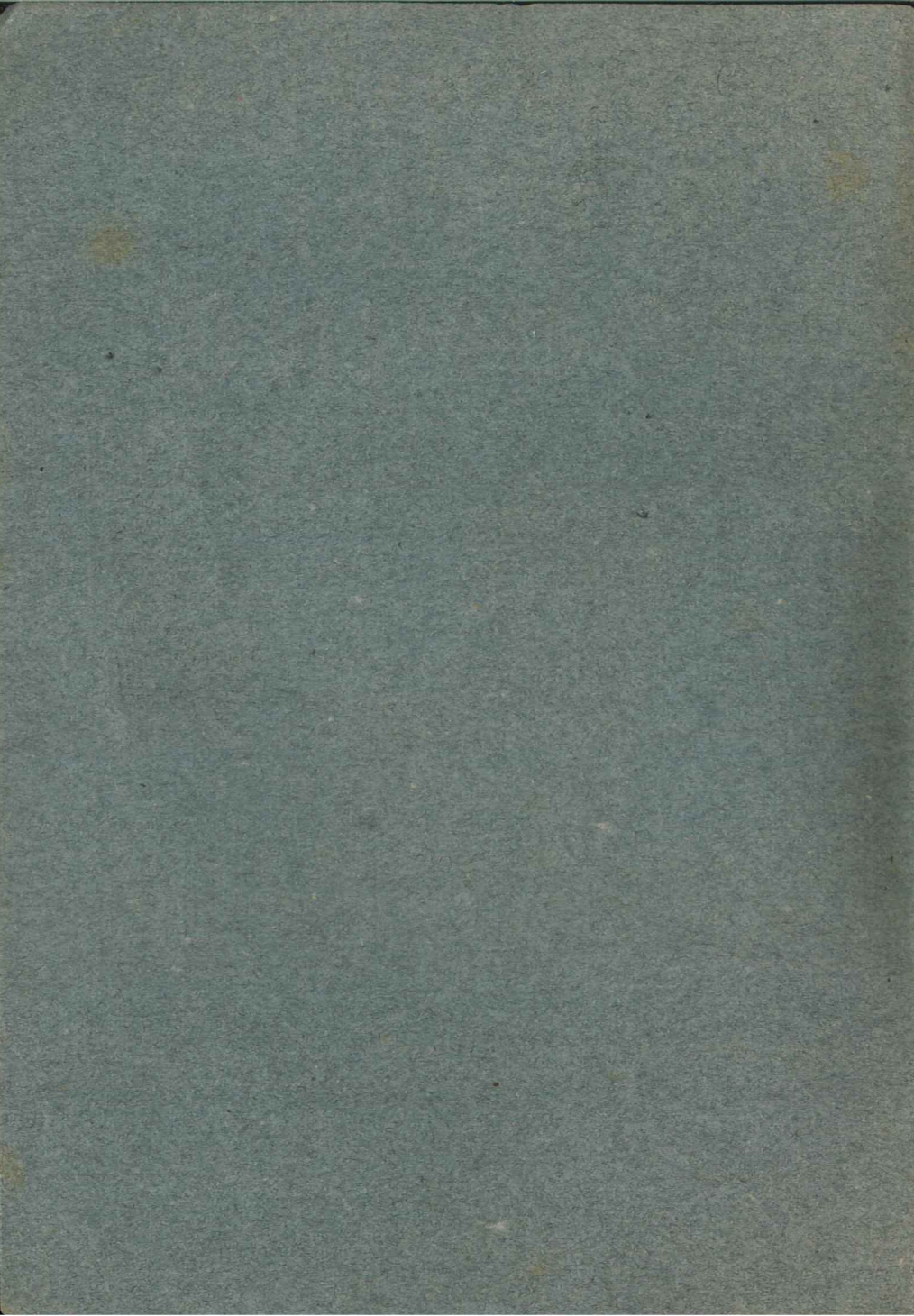
EDWARDS METAL ROOFING



THE EDWARDS MANUFACTURING CO.

**THE LARGEST MAKERS OF
IRON AND STEEL ROOFING IN THE WORLD**

CINCINNATI, OHIO



A FEW FACTS PLAINLY TOLD
SETTING FORTH THE MERITS OF

Edwards
Metal Roofing,
Siding, Ceiling, Etc.

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The Edwards Manufacturing Co.
CINCINNATI, OHIO
U. S. A.

A Metal Roof Lasts a Lifetime

If we could say no more, this would be a stronger argument than the manufacturers of any other style of roofing can make.

For it naturally follows that if it will outwear any other kind of roofing, it must have all the good qualities which they lack, and more besides.

In the first place, take wood. It used to be that you could get good straight-grained wood shingles that made a fairly good roof. But they rotted, blew off or absorbed moisture and soon started leaks. And now you can't even get *good* shingles. They are cut from sappy timber by machinery, full of knots and splits, and may last three years; with constant repairing they may even last eight or ten years. With lumber the price it is now, what will it be ten years from now when you have to put on a roof? Think that over.

There are about 300 different composition and prepared roofings on the market. There must be a big profit in them for the manufacturers, or there wouldn't be so many of them. Yet about the only difference in them to you is the price. Some sell as low as \$1.00 per square for one-ply, and some as high as \$4.00 per square for three-ply. and any man would be foolish to put on a composition roofing thinner than 3-ply if he expected it to last even for a short time.

These composition roofings all have a base of tar or asphalt on paper, felt or burlap body. Can you imagine anything that would catch fire easier? We are ready to offer \$100 for any sample of composition roofing that will not ignite when a lighted match is held under it. Try it yourself and see. Then think of having a roof on your house or barn that invites destruction like that. Think of exposing your family, your live stock and your machinery to such constant danger. Note the beautiful appearance of our roofing as compared to composition roofing.

The buildings on the farm or in any community are usually in groups. So if one catches fire, it is almost a dead certainty that the flames will be communicated to the others. As there is little fire protection, the result is a total loss. A METAL roof is the best kind of insurance against fire.

You don't save anything anyway by using composition roofing. For it only lasts three or four years, and then you are put to the expense of buying new roofing and the cost of labor and time of putting it on. And if you buy the best prepared roofing, it costs as much and sometimes more than metal roofing. In the summer the tar and pitch boils in the sun, and clogs the gutters and rain-pipes, a splendid breeding place for germs. It dries and cracks and soon becomes mere dried pulp with no protection whatever against fire, water or weather. One man who used it disgustedly calls it "Imposition" roofing.

Slate roofs are heavy and unwieldy. They weigh about 700 lbs. to one hundred square feet. They are so brittle, they split and crack with the freezing and thawing of winter. A wind-storm will often work havoc with them. And they are very expensive, both in first cost and in repairs. A slate roof may be all right for a man who doesn't care how much he spends, but if you are looking for the best all-around roof you can get, you will buy Edwards Metal Shingles. We make many kinds, and all are good. You choose the kind best adapted to your needs, and you will find it the handsomest, cheapest and most durable roof you can lay.

An ordinary steel painted roof is protected by the paint from the weather, and will give excellent service.

We recommend our Galvanized Roofing, however, for its zinc covering needs no paint, is rust-proof and germ-proof. This also insures clean, pure rain water in your cistern.

We give an absolute guarantee against lightning.

Some people think that a metal roof is susceptible to lightning, but this is not so. Should lightning strike a metal roof, the electricity is scattered and passes off harmlessly into the atmosphere. Ask any scientific man, and he will tell you the same. We have never heard of a single case where a building covered

Edwards Steel Cluster Shingles

**For Roofing, Mansards, Gables and Siding.
Attractive in Appearance, Cheap, Durable**

Are made of No. 28 Gauge Best Quality Galvanized Steel and Bessemer Steel Painted, in Sheets 5 to 10 feet long; covering width 24 inches, and are used for roofing, siding and finishing gable ends on all styles of buildings. Architectural and ornamental in appearance, when painted black they closely duplicate the most expensive black slate at about one-fourth the cost. Guaranteed to be fire, water, storm and lightning proof, thus reducing cost of insurance.

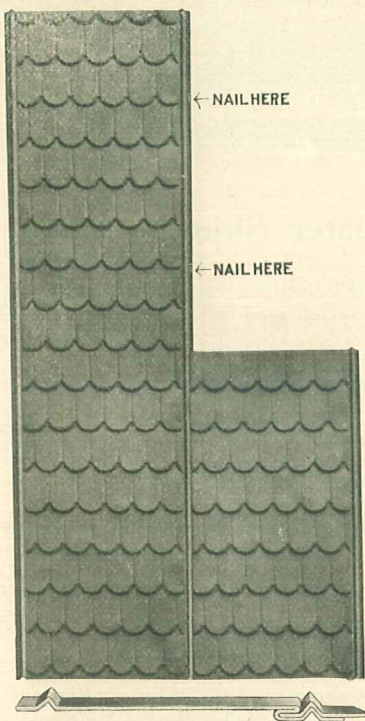


Fig. 364 (Patents Pending.)

Reo Steel Shingles, with Patent Side Lock providing scientifically for expansion and contraction.

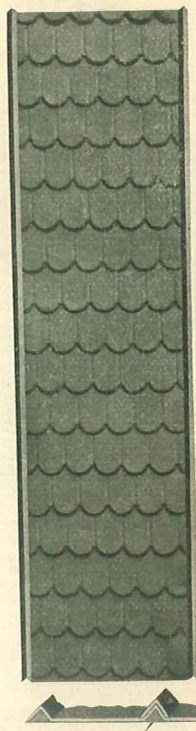
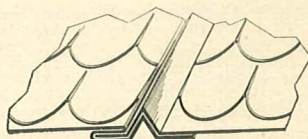


Fig 365 (Patents Pending)

Reo Steel Shingles, with V Crimp Edge, also furnished with Pressed Standing Seam Sides, in which case no wood sticks are needed.



Note construction of patent Side Lock, protecting nail heads from the weather and making the roof absolutely watertight.

Princess Steel Cluster Shingles

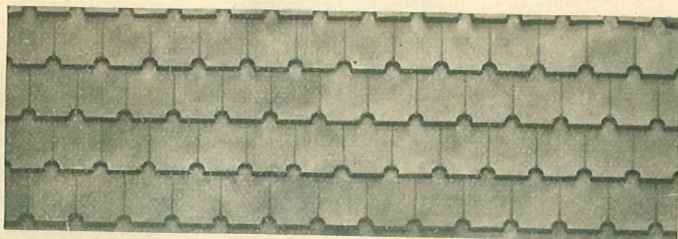


Fig. 363 (Patents Pending)

Princess Cluster, particularly adapted for siding and finishing gable ends, made to lap one-half shingle at sides.

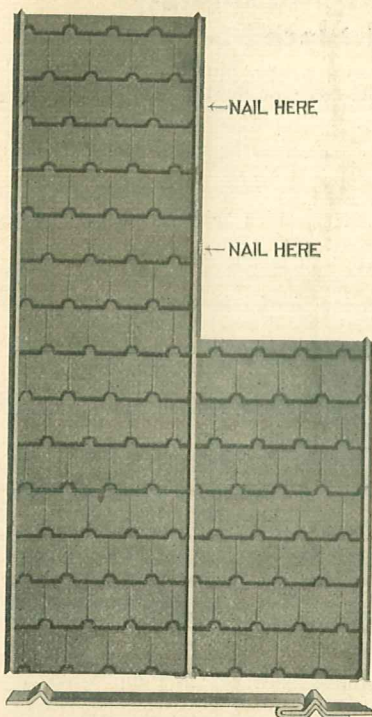


Fig. 367 (Patents Pending)

Princess Steel Shingles, with Patent Side Lock, providing scientifically for expansion and contraction.

**Weight
per 100 Square
Feet :**
**Steel Painted
75 lbs.**
**Steel Galvanized
85 lbs.**

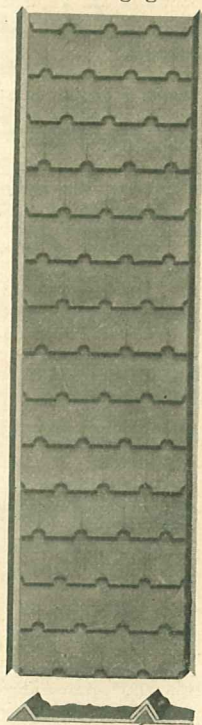
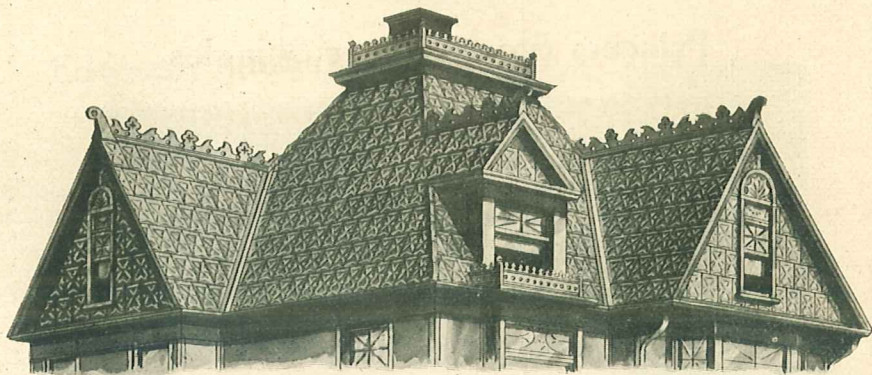


Fig. 398 (Patents Pending)

Princess Steel Shingles, with V Crimp Edge; also furnished with Pressed Standing Seam Sides, in which case no wood sticks are needed,



Edwards Separate Metal Shingles and Metal Slate

Are made of the best quality Worcester grade Tin Plate.
Our Painted Tin Shingles and Slate are the best painted, without any exaggeration.

Our Galvanized Tin Shingles and Slate are the only ones that are packed at the galvanizing pot; all others are either *Stamped Afterwards*, which peels the coating or else the *Lock is scraped when the Coating is hot*, which leaves spots entirely uncoated.

Packed in boxes containing one square, which will lay 100 square feet on building.

Painted Tin Metal Shingles and Slate will weigh about 70 lbs. Galvanized, 90 lbs. per 100 square feet.

These make a handsome, long-wearing roof, similar to slate, but without the heaviness and liability to splitting and cracking that slate has.

They do not warp or rot, as wooden shingles do, and will last as long as the house does.

As they are applied only with hammer and nails, there are no soldered joints, and they may be removed from one building and put on another, if desired.

As each Metal Shingle or Metal Slate is stamped out from the same die in the same machine, they are exactly alike, and when laid, fit each other precisely. This makes them easy to lay, as it is simply a matter of following straight lines, and any competent mechanic can lay them.

OUR METHOD OF GALVANIZING.

After the Edwards Metal Shingles and Metal Slate are stamped into form, they are galvanized.

This is done by dipping each shingle or slate separately into a bath of melted zinc, which adds a second coat of almost twenty pounds to the 100 square feet.

Some manufacturers place their shingles in racks and dip a dozen at a time. This method does not give a uniform coating, and leaves spots where the raw metal is exposed to moisture and consequent rust and corrosion. We dip each Edwards Shingle or Metal Slate separately by hand, covering it completely with "spelter," so there is absolutely no opening for water to rust it.

Our Method of Painting

All Edwards Tin Shingles and Slate are painted with "The Edwards" Metallic Paint, before leaving the factory.

Our method of painting is to dip each shingle or slate in a tank of sufficient depth to thoroughly cover same.

This process insures a perfect coating both sides, including the lock, which is very important.

The shingles are allowed to stand for several days, for the purpose of drying slowly and thoroughly, before being put into boxes for shipment.

All painted Tin Shingles should be given a second coat as soon as convenient after being laid on the roof, and should have an additional coat from every three to five years, this depending largely upon location where shingles are used.

With this protection there will be practically no wear to the shingles and you have a roof that will last indefinitely.

The Edwards Metallic Paint

Those of our friends and customers who desire paint, we will furnish *at actual cost to us*. The Edwards Metallic paint made under our own formula, of pure boiled linseed oil, best Oxide of Iron, and other special ingredients, known only to us.

As a matter of convenience it is put up in 1, 3, 5 and 10 gallon cans.

A gallon will cover about 300 square feet of surface.

DIRECTIONS FOR APPLYING.

Commence at lower left hand corner of roof. In starting be particular to see that the first course of shingles is started straight. To do this, it is best to draw a chalk line 12 inches from the eaves of the roof. This distance leaves two inches to project over the eaves, which in most cases is more than enough. The shingle is nailed to the roof boards at nailing flange on right side of shingle.

Two nails should be used for 7 x 10 or 10 x 14 size; one at top and one at bottom, each about two inches from end of shingle.

With the 14 x 20 size, an additional nail should be used in center of nailing flange. Do not hammer down the locks of the shingle. All that is required is to nail them. Every other course begins with half shingle.

Flashings

Our Metal Shingles are laid on the same rules that govern the laying of Wood Shingles or Slate. In flashing against a side wall, bend the shingle so as to project up the side of the wall three inches, and counter-flash down to the roof line. These directions apply to dormers, chimneys, skylights, etc.

On pages 51 to 72 we show photographs and letters from delighted owners who have laid Edwards Metal Shingles on their roofs. See these pictures and read the letters—they tell their own story.

Edwards Metal Slate

Made in sizes

7x10, 10x14, 14x20 inches

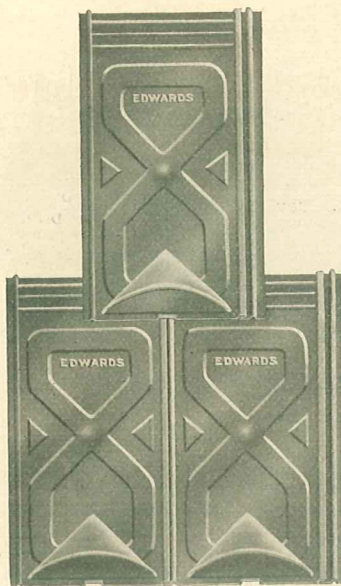
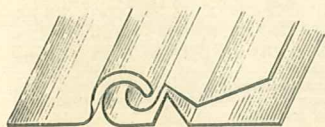


Fig. 152

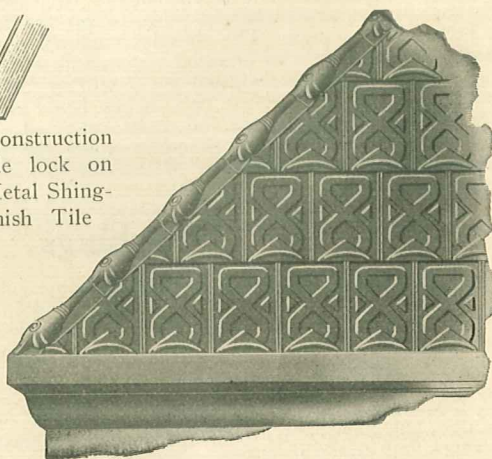
Made of the best quality Worcester Grade Tin Plate furnished either painted or galvanized (galvanized after formation:) They can be applied without soldering, the use of special tools and by an ordinary mechanic. A surpassingly beautiful roof covering of extreme lightness and durability.

Are better than Stone Slate which is heavy, cracks in extreme cold weather or under sudden changes of temperature; fades in color, is exceedingly difficult to repair, and can only be applied on very steep surfaces.

Edwards Metal Shingles and Metal Slate are light in weight; require only a very light roof construction, which is in itself a very marked saving in the cost of any building.



Note the construction of patent side lock on all Edwards Metal Shingles and Spanish Tile



Edwards "Queen Anne" Metal Shingles

Size 10x14 in.

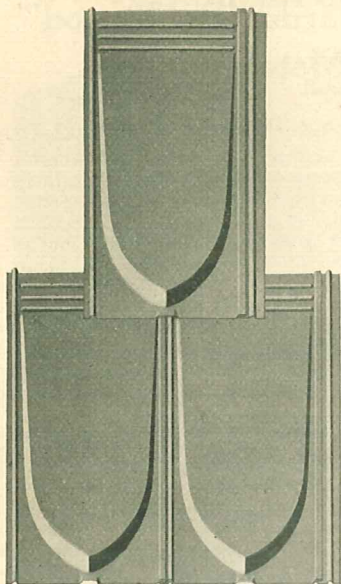
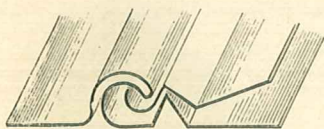


Fig. 157

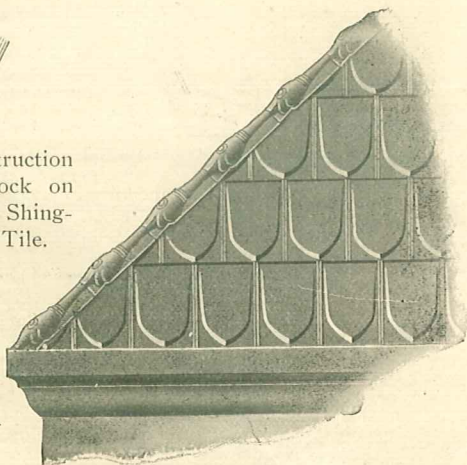
The Edwards Metal Shingles and Metal Slate are without exception the most perfectly constructed Metal Roof covering so far produced. Note the rich contrast and the perfect embossing, permitting each Shingle or Slate to lay perfectly level and uniform on the roof, the embossing allowing the air to circulate freely, thereby preventing corrosion and rust and keeping the roof cool.

A Metal Shingle Roof is perfectly clean; this is an important consideration where the water from the roof is collected in cisterns.

Cistern water from a Metal Shingle Roof is pure, clean and wholesome.



Note the construction of patent side lock on all Edwards Metal Shingles and Spanish Tile.



Edwards "Rookwood" Metal Shingles

Size 10x14 in.

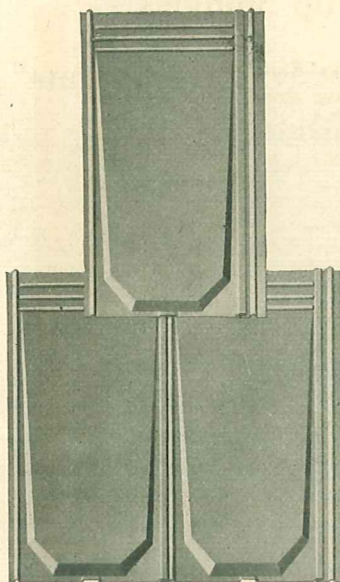


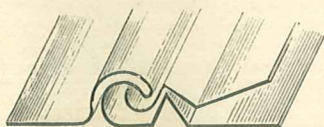
Fig. 158

We recommend the use of our "Queen Anne" or "Rookwood" patterns where ornamentation or architectural effect is given first consideration, as owing to the deep stamping a much bolder effect is obtained.

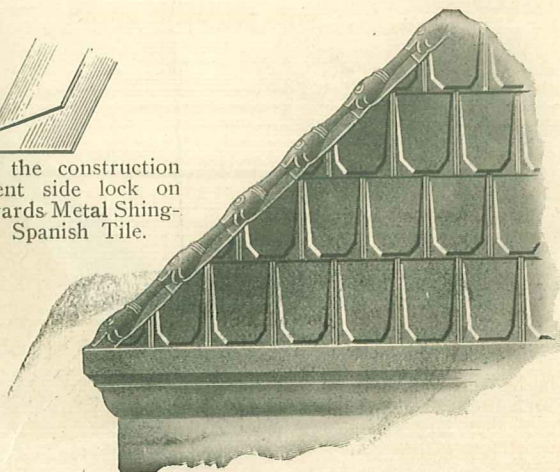
"The Edwards" is the only side lock Shingle or Slate through which water will not seep, and that provides perfectly for expansion and contraction of the metal.

A Metal Shingle Roof is economical—it is an investment rather than an expense.

A building covered with a roof that requires no repairs is worth more in buying and selling. The first cost of a Metal Shingle Roof is the only cost excepting the slight additional cost of an occasional coat of paint.



Note the construction of patent side lock on all Edwards Metal Shingles and Spanish Tile.



Edwards Perfect Hip Shingles

Can be Applied on Metal Shingle, Wood Shingle or Slate Roofs

Are absolutely impervious to rain or snow. Acknowledged the very best hip covering that can be used—far superior to the ordinary wood or metal rolls and the work of laying them considerably less. No trouble to lay them even and straight, owing to the offset or shoulder fitting snugly against the butts of the shingles, forming a gauge, and a protection from driving showers of rain or drifting snow.

Made in Tin, Galvanized Iron and Copper.
Size, 4 x 9 inches.

" 5 x 12 "

Packed 100 in a box ready for shipping.

Weight per 100 shingles:

Tin, Painted.

4 x 9—30 lbs.

5 x 12—35 lbs.

Galvanized.

4 x 9—35 lbs.

5 x 12—40 lbs.

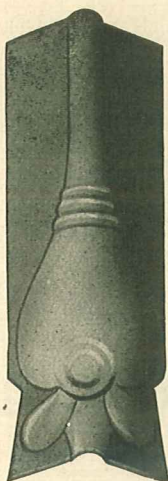


Fig. 360



Edwards "Imperial" Galvanized Valley

FOR SHINGLE ROOFS

A very important feature about a good roof is to have a perfect Valley or Gutter. Some roofs do not require any, while others do, depending entirely upon the shape of the building.

The Edwards "Imperial" Valley is made of the best quality galvanized steel in 10-foot lengths, and is free from the annoying possibility of cracking which is caused by contraction and expansion of the metal.

In laying the valley, cut the shingle so it extends to about one-half inch over the lock, and bend it under. In starting from the valley, it is best to hold several shingles together and tack them at top, then with a straight edge mark and cut where they overlap the valley; with a pair of tongs edge and lock them to the valley.

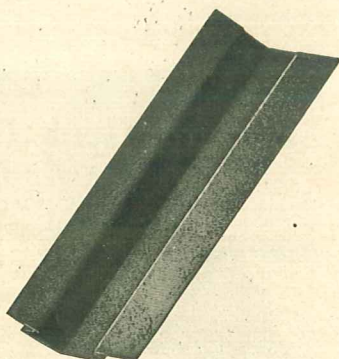


Fig. 361

Edwards Porch Flashing



Fig. 366

Made of the best quality Galvanized Steel, with the fold on one side only. Into this fold the top end of the last course of Shingles or Slate is entered. The other side is left plain. If the wall is frame, the upper edge of flashing should go under the weather board; if the wall is brick, upper edge is inserted in the mortar, and made tight with cement.

The Edwards Porch Flashing is to be used only on porches and shed roofs, where the roof connects with the main building parallel with the eaves, and must not be used down the slope of the roof.

Edwards "Imperial" Ridge Roll

FOR SHINGLE ROOFS

Makes a Neat Water-proof Cap for the Ridge of Roofs

THE EDWARDS "IMPERIAL"

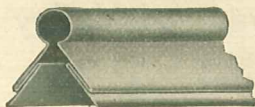


Fig. 362

Ridge Roll is made from one piece of Metal Folded as shown, the shingles being inserted into the folds over the nailing flanges this protecting the nail heads from the weather.

Made of Best Quality Galvanized Steel, in 10-foot lengths only.

Edwards Gable Finish or Roof Starter

FOR SHINGLE ROOFS

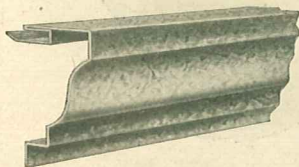


Fig. 396

Made of best quality Galvanized Steel in 10-foot lengths.

The Shingles being inserted in the slot over the nailing flange, as shown, thus protecting the nail heads from the weather. An ornamental finish for your roof.

Corrugated Sheets

Painted or Galvanized

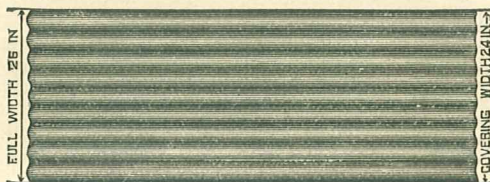


Fig. 27

2½ in. Corrugations

Corrugated Sheets.—28 gauge, with 2½ in. corrugation, ⅝ in. deep. Sheets are 26 inches wide. Allowing one corrugation for lap on each side, it leaves a covering surface 24 inches wide, which lays to advantage on rafters or studding 24 inches, center to center. The end lap should be from 1 to 6 inches. Sheets are 5, 6, 7, 8, 9 and 10 feet long.

The Strongest Sheet Metal Known to the Trade and the Most Widely Used, is CORRUGATED.

For structures of moderate cost or light, inexpensive framings that are intended to be fire-proof, no better material can be had. The rigidity imparted to comparatively light sheets by corrugating makes them self-supporting. For siding 1-inch end laps will do. If used for roofing the roof should have a pitch of not less than three inches to the foot. Sheets should have 3 to 6 inches end lap and one and one-half or two corrugations side lap. Nails should always be driven through the crown of corrugation.

Made in ⅝ inch Corrugation, 1¼ inch Corrugation, 2 inch Corrugation, 2½ inch Corrugation.

NOTE—11 and 12 foot sheets, 10 cents per square extra.

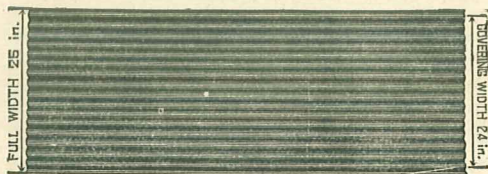


Fig. 25

1¼ in. Corrugations

Weight per 100 square feet: Painted Steel, 70 lbs. Galvanized Steel, 80 lbs.

NOTE—Edwards Galvanized "Never Rust" nails and lead washers, as shown on page 24, should always be used in applying Corrugated Roofing.

V-Crimp Roofing

Painted or Galvanized

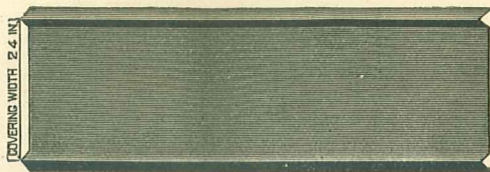


Fig. 20

Sheets, 5 to 10 feet long

This is the cheapest of all Roofing offered and costs less to put it on the roof. Any person can apply it who can drive a nail. It is put down with an end lap only or with end locks; the latter being the best method. When end locks are turned, a cleat should be used in the middle of the end lock, which prevents the sheet from rattling. It is made with 2 V Crimps, or side and center crimps, or 3 V Crimps, having a crimp in center of sheet. One pound $1\frac{3}{4}$ -inch No. 10 barbed wire nails, one pound dry mineral paint, 50 feet V sticks are required to lay a square of this roofing. 100 feet V sticks required for 3 V Crimp Roofing.

V Crimped Roofing, 2 V Crimp, 28 Gauge Steel.

Sheets will lay 24 inches from center to center of crimps. The ends of sheets should be lapped not less than 3 inches. May be laid over shingles, sheathing, lath or direct to rafters, placed 24 inches from center, on any roof having a pitch or more than 2 inches to the foot. The ends of sheets can either be lapped 3 inches or more, or put together with lock joint.

3-V-Crimp Roofing

Painted or Galvanized

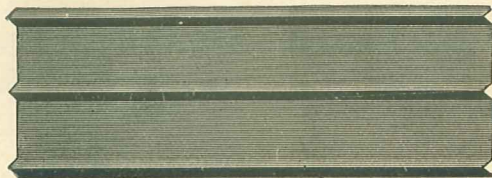


Fig. 21

Sheets, 5 to 10 feet long

The center crimp stiffens the iron, prevents vibration and rattle, and adds to its appearance; imitating batten board.

Weight per 100 square feet: Painted Steel, 70 lbs. Galvanized Steel, 80 lbs.

Edwards "Perfection" V-Crimp Roofing

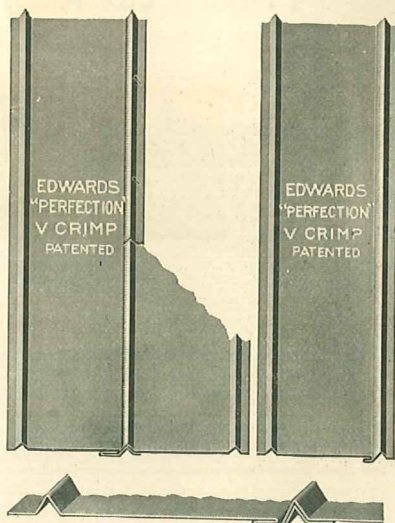
Painted or Galvanized

**NO EXPOSED NAILS—
NO WOOD STICKS NEEDED**

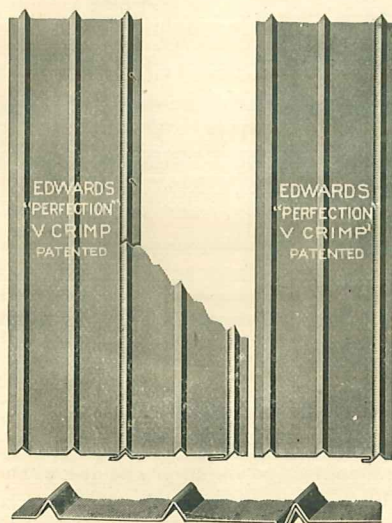
The objection to ordinary V-Crimp Roofing is that wood sticks are necessary to apply same.

Then the nail heads being exposed to the weather, are liable to rust, causing leakage.

In the Edwards Perfection "V-Crimp Roofing" these objections have been eliminated as each sheet has our patent side lock, doing away with the wood sticks entirely and protecting the nail heads from the weather, thus increasing the life of the roof fully 50 per cent. We strongly urge the use of our Perfection V-Crimp Roofing.



**Fig. 375 Patented April 7, 1908
Edwards "Perfection" 2-V-Crimp**



**Fig. 376. Patented April 7, 1908
Edwards "Perfection" 3-V-Crimp**

Manufactured from the best quality Bessemer or Open Hearth Steel—furnished Painted or Galvanized—in sheets 5-6-7-8-9 and 10 feet long; covering width 24 inches. The Easiest—Simplest and most rapidly laid Roofing ever invented. Nail heads are not exposed to the weather. Note construction of The Edwards Patent Side Lock, same lock as is used on our Reo Steel Shingles shown on pages 8 and 9, providing scientifically for expansion and contraction—a very essential feature in all Metal Roofing. Weight per 100 square feet Painted Steel, 75 lbs. Galvanized Steel, 85 lbs.

Pressed Standing Seam Roofing

Painted or Galvanized

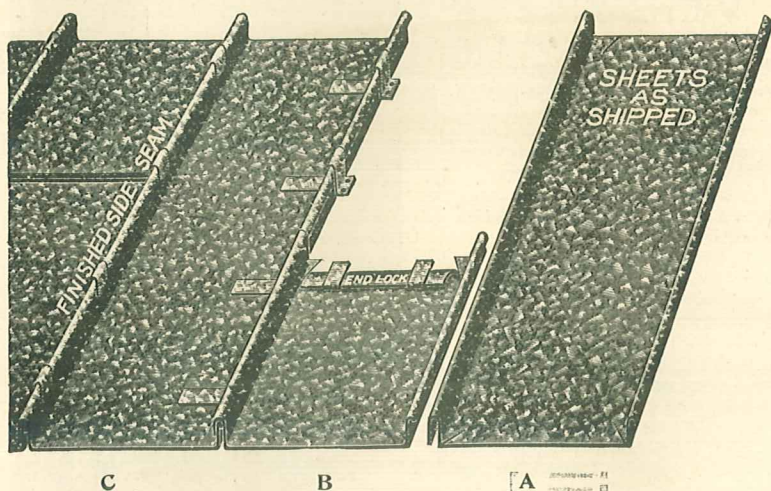


Fig. 23

"A" represents sheets as shipped, "B" represents method of application, "C" shows finished seam.

Is very simple in its application and effective in its construction. The sheets are formed with a cap on each side, which makes a stronger, better roof than when separate caps are used.

Sheets are 24 inches wide from center to center of seams, and in lengths of 5, 6, 7, 8, 9 and 10 feet, in all gauges No. 24 and lighter.

One hundred square feet per square. Allowance for side laps included. One pound of galvanized side cleats and one-fifth pound of end cleats shipped with each square. End locks turned, 10 cents a square extra. Should be applied on sheathing with end laps, if the roof has sufficient pitch, or if on a flat roof, with end locks.

No. 28 Gauge Steel, weight, Painted, (cleats included, 70 lbs.

No. 28 Gauge Steel, weight, Galvanized, (cleats included), 80 lbs.

Tools are loaned for applying. Amount charged will be refunded when tools are returned.

All our roofing is furnished either *Red Painted*, or *Galvanized Steel*.

Self-Capping Standing Seam Roofing

PAINTED OR GALVANIZED

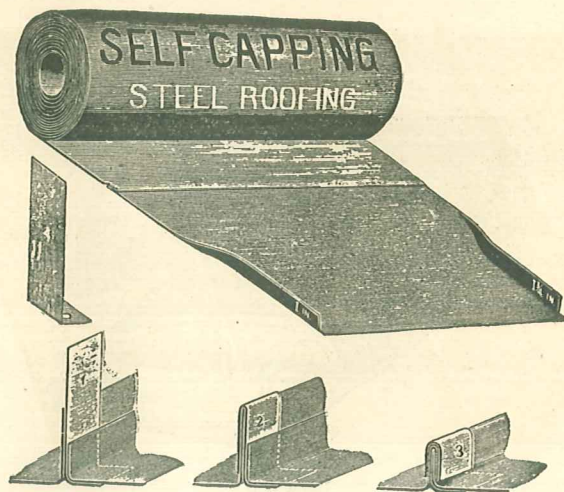


Fig. 18

Fig. 1.—Cleat in position and nailed to sheathing.

Fig. 2.—Cleat turned down over the 1 3/4-inch turned up edge.

Fig. 3.—Shows the 1 3/4-inch edge and the cleat folded over the 1-inch turned up edge.

Fig. 4.—Shows cleat as shipped.

Made of Pure Steel.

The method of applying is very similar to Roll and Cap Roofing, with the exception that Caps are part of the sheet, each sheet having an edge turned 1 inch on one side and 1 3/4 on the opposite, the 3/4 inch being folded down on the 1 inch, making an absolute waterproof roof—very simple in its application and especially adapted for flat roofs. Each roll is 50 feet long, the covering width is 24 inches, and will lay 100 square feet on building.

Shipping weight (including cleats), No. 28 gauge steel, painted, 70 pounds; galvanized, 80 pounds.

SPECIAL NOTICE—We furnish the above Self-Capping Roofing with *Double Cross Lock* if wanted.

Roll and Cap Roofing

PAINTED OR GALVANIZED

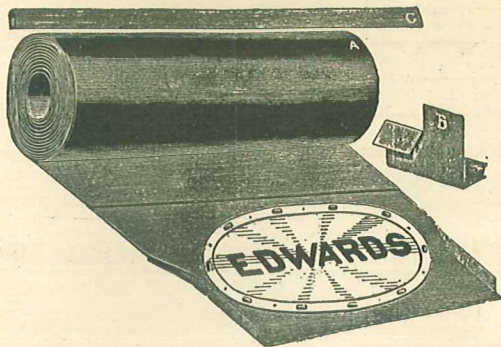


Fig. 19

"A" Roll Partly Edged, "B" Metal Cleat, "C" Metal Cap.

Covering width charged. Supplied in rolls of one square each, covering 24 inches. SPECIAL—We make rolls any desired length when ordered.

The advantage this roof has over all other separate Cap Seam Roofs is that the cap is hooked to the anchor or cleat, which holds it firmly to the standing seam.

The construction is simple, and it is the most easily and rapidly laid separate Cap Roofing on the market.

We make the metal caps in 4 or 8-foot lengths, which we furnish with each square, cleats included. Each roll is 50 feet long; the covering width is 24 inches and will lay 100 square feet on building. Tools loaned for applying.

Weight per 100 square feet: Painted steel, 70 lbs. Galvanized steel, 80 lbs.

Steel Weather-Board Siding

Painted or Galvanized

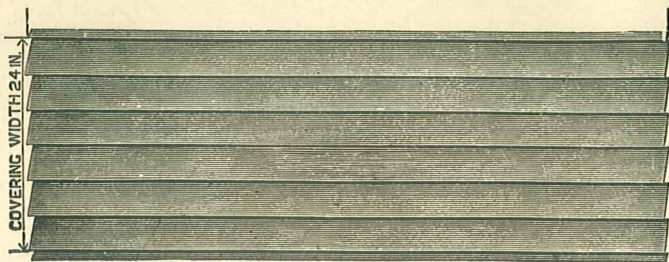


Fig. 33

Its Lasting Qualities Compare with Brick or Stone.

Used extensively as Siding on frame buildings. Cheap, Durable and Fireproof, and a desirable substitute for Wooden Weather-Boarding.

We furnish $6\frac{1}{4}$ sheets 24 x 96 inches for a square, which will lay 100 square feet on building, less the laps at the end of the sheets.

Each sheet shows 6 boards 4 inches wide. Can be applied directly to studding. 16 inches from centers or on rough sheathing. In order to provide for one inch end laps, place every sixth stud 15 inches from centers. When applying to sheathing, place nails 4 to 6 inches apart, along the horizontal laps and immediately under the projecting crimp. When applying to studding nail to each stud. Nail end laps at the upper edge of each face or "board."

Weight per 100 square feet: Painted steel, 70 lbs. Galvanized steel, 80 lbs.

Edwards Galvanized "Never Rust" Nails



Fig. 116-A

Do you realize the importance of nails on a roof? or do you know of any roofing material that is put on without nails?

Steel or iron nails, even though hidden as on a slate roof, will rust and the roof is gone. For 25 years we have been studying the roof question and fully realize the important relation nails have to the life of a roof. We have developed the "Never Rust" Nail that is galvanized after they are made, which will last as long as the building. These nails are used exclusively in connection with our roofing and cost only 2 cents per square more than the ordinary nails. It will pay you to see that no other nail is used on your building. A little care in the beginning will give you results that are lasting.

Insist on the "Never Rust" Nails.

Fig. 116 Edwards Lead Washers

Will prevent Leaks in Roofing and Siding when used as shown in cut below

Full Size

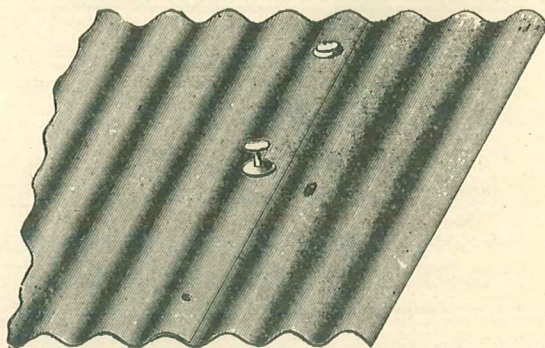


No. 12
(3-32 inch hole)

Full Size



No. 8
(5-32 inch hole)



The Washers, when used with Edwards Galvanized "Never Rust" Nails, make an *Absolutely Water-tight Joint* on any surface, whether concave, convex or flat; they also *prevent rust* below the nail head, and the head from cutting into the sheet, thus making a more durable job.

Read the following and find out how many and what kind you need; do not let the small cost additional per square prevent you from having a perfect job.

Put up in boxes containing 100 pounds each.

One pound contains about 325 Washers.

One pound will put on 2 to 3 squares.

Hole in No. 8 Washer is 5-32 of an inch in diameter.

Hole in No. 12 Washer is 3-32 of an inch in diameter.

In ordering do not forget to state size of Washer. No. 8 is the size generally used with 13/4-inch wire nails Nos. 10 or 11.

Galvanizing and Painting

In answer to the often asked query, "Which shall I buy, galvanized or painted?" we ADVISE by ALL means the GALVANIZED.

There are many good sound reasons for this advice, and we want to give you the benefit of our experience.

GALVANIZING, when PROPERLY DONE, becomes a part of the material; it therefore serves as a protection against the elements and preserves its life.

GALVANIZED ROOFING and SIDING is, in the long run, THE MOST ECONOMICAL MATERIAL TO BUY.

All Edwards Galvanized Roofing and Siding is made from selected prime sheets and the galvanizing is done by our improved process, each sheet, after being cut to the required size, is dipped separately in the "spelter" or molten zinc. This gives a uniform coating and covers the edges so there is no raw surface exposed to rust and corrode.

Other manufacturers cut the sheets after they are galvanized, leaving the edges exposed and certain to rust.

HOW THE WORK IS DONE.

The sheets are put in large vats in a melted liquid known as spelter, or molten zinc, collecting a heavy deposit of this galvanizing substance, and while still hot the sheets are run through rolls, imbedding the spelter or molten zinc into the sheets, giving them a smooth, finished appearance, every sheet being uniformly alike.

The process of galvanizing, as practiced by many, can be cheapened considerably by collecting on the sheets a very small deposit of the galvanizing substance and then wiping off the sheets, using simply enough to cover the surface, and not become a part of the material, which is the strong feature of *our* improved process of galvanizing.

EDWARDS GALVANIZED ROOFING is as well protected from rust as it is possible to make roofing, and your investment in this material will be the most economical in the long run.

HOW EDWARDS ROOFING IS PAINTED.

The life of any metal roofing or siding that is not galvanized depends almost entirely upon the way it is painted.

Of course, the first thing of importance in the selection of roofing is that the very best material be used; still, good material must be properly painted to make it a good roofing.

We honestly believe OUR PROCESS OF PAINTING TO BE THE MOST IMPROVED AND BEST USED BY ANYONE.

The average manufacturer making painted metal roofing uses paint heavily charged with quick dryer. This kind of paint dries almost as fast as the roofing is run through the paint machinery, and therefore is not durable and lasting. It will easily rub off and leave the sheets in an unprotected state.

We use in our paint Lake Superior Iron Ore, ground in pure Linseed Oil, and give each sheet a good substantial coating of paint. All painted sheets are painted on both sides by this improved process.

Too much care cannot be exercised in the selection of roofing.



Fig. 1.—Old Plant of American Tool Works Company, Cincinnati, Ohio,
Before Application of the Edwards Sheet Metal Building Material.

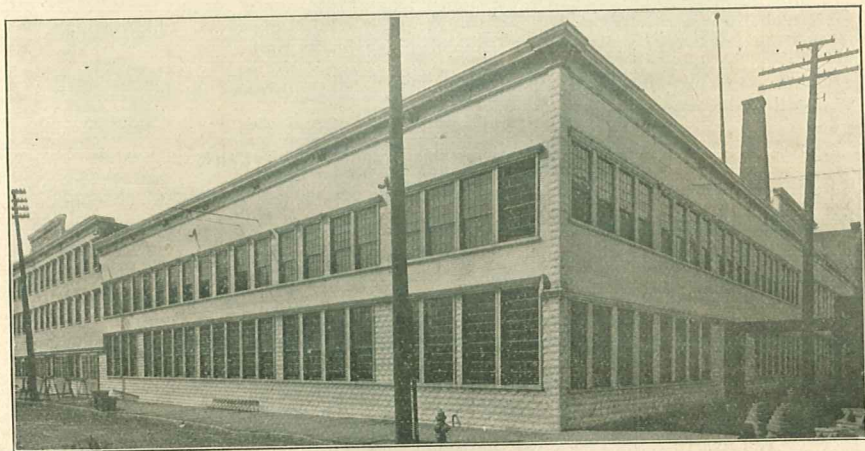


Fig. 2.—New Plant of American Tool Works Company, Showing Applica-
tion of the Edwards Patent Rock Face Brick and Stone Siding,
Galvanized Cornice and Pediments, Window Caps, Etc.

Pressed Steel Brick Siding

Painted or Galvanized

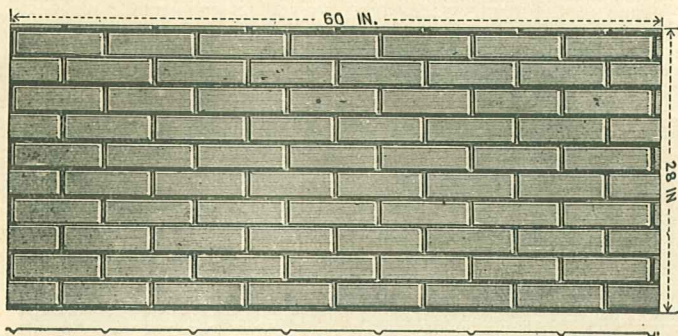
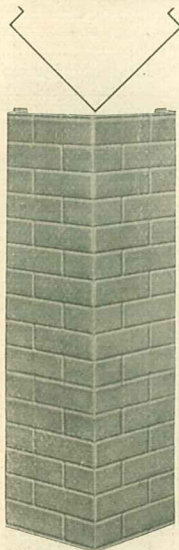


Fig. 35

Size of Single Brick, 2 4-5 x 8½ inches. Sheets, 60 x 28 inches.

Shows Pressed Steel Brick Siding ready for application. Can be applied by any mechanic. Lays perfectly smooth, and after painting cannot be distinguished from finest Philadelphia Pressed Brick.

Costs no more than best wood siding, and about one-fifth that of brick.



Corner Finish
Fig. 351

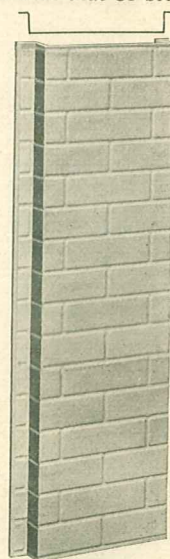
Each Face, 13 in. wide

In beauty of appearance, durability, cheapness, and as a protection against fire, we claim this siding has no equal. Most Insurance Underwriters give this style of covering same rating as Brick or Stone.

Manufactured of the best Soft Steel, and shipped in lengths of 60 x 28 inches, containing 12 2-3 square feet to the sheet.

A Square of Brick Siding consists of 8 4-7 sheet, 60 inches long by 28 inches wide, painted or galvanized.

For Pressed Steel Brick Siding



Pilaster
Fig. 352

Face, 13 in. wide

Patent Rock-Face Brick and Stone Siding

Made of Best Quality Sheet Steel. Artistic! Durable! Cheap!

This is something comparatively new in Sheet Metal Siding. It imitates Rock-Face Stone and Brick to perfection. On a building the counterpart of a finely finished Rock-Face Stone or Brick, it makes the most attractive and handsomest sheet metal covering so far produced or offered the building trade.

It is unquestionably an elegant facing for store fronts and cannot help but take the place of the old style galvanized iron fronts, because it is cheaper, makes a handsomer front, and is more easily applied.

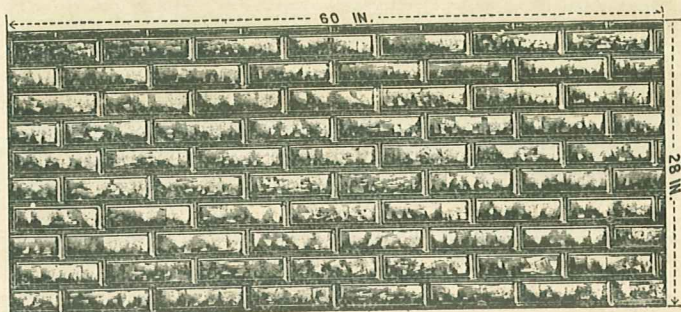
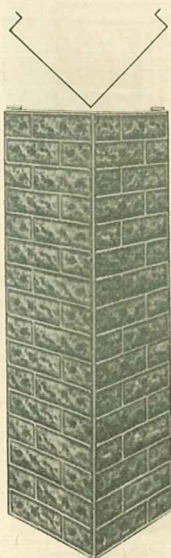


Fig. 3)

Patent Rock-Face Brick Siding

Size of Single Brick, 2 4-5 x 8 $\frac{1}{4}$ inches. Sheets, 60x28 incl.es.

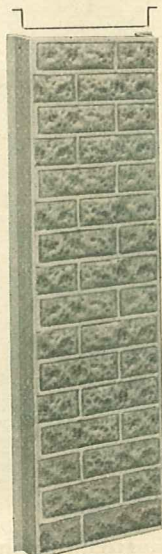
For Rock-Face Brick Siding



Corner Finish

Fig. 353

Each Face 13 in. wide



Pilaster

Fig. 354

Face, 13 in. wide

Patent Rock-Face Stone Siding

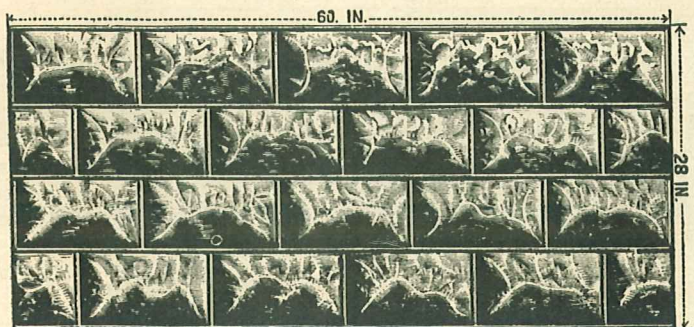


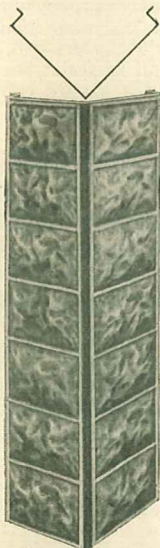
Fig. 37.

Size of Single Stone, 7 x 12 inches. Sheets 60 x 28 inches.

A Square of Rock-Face Brick or Stone consists of 8 4-7 sheets 60 inches long by 28 inches wide, painted both sides.

In ordering plain or Rock-Face Siding, allow 4 to 6 square feet to the 100 square feet for laps.

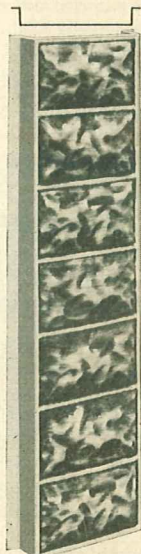
FOR ROCK-FACED STONE SIDING



Corner Finish.

Fig. 355

Each Face, 13 inches wide.

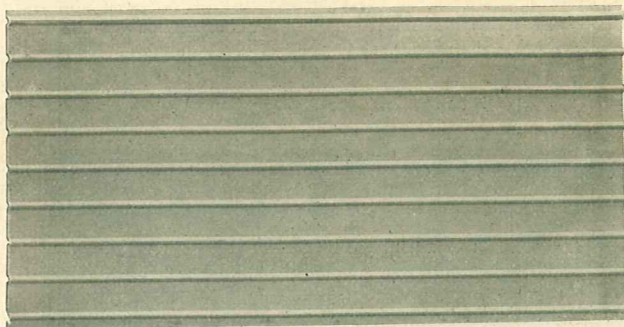


Pilaster

Fig. 356

Face 13 inches wide.

BEADED SIDING AND CEILING



Made From
the Best
Quality
Sheet Steel,
Furnished
Either
Red Painted
or
Galvanized.

Fig. 32

Shows sheet of Beaded Siding and Ceiling. Sheets when beaded cover 24 inches from center to center of outside beads, and can be furnished any length up to 10 feet. The beads are small corrugations, $\frac{3}{8}$ inches wide by $\frac{1}{8}$ inch deep and 3 inches from center to center.

This style of Ceiling is very desirable in stores, churches, warehouses, factories, engine rooms, boiler rooms, public halls, paper mills, glass factories, etc.

No special tools required. The sheet should be lapped one or two inches at ends, and over one bead at side. Can be applied perpendicularly or horizontally (as preferred) to boards, studding or joists placed the proper distance apart, or put on over old plaster. Purchasers can paint it any desired color. Regular length sheets, 6, 7, 8, 9 and 10 feet. We always ship sheets 8 feet long unless otherwise ordered. One square consists of $6\frac{1}{4}$ sheets, 24 x 96, or its equivalent, and will lay one square, less the lap at the ends of the sheets.

ORNAMENTAL CEILING OR SIDING

Used
Largely for
Ceiling,
Siding and
Wainscoting.

Made From
Best Quality
Steel Sheets,
Painted
on Both Sides
with One Coat
Best White
Lead Paint,
Ground
in Pure
Linseed Oil.



Fig. 1690

Sheets will cover 24 inches wide. Regular length sheets, 4 and 8 feet. We always ship sheets 8 feet long unless otherwise ordered.

One square consists of $6\frac{1}{4}$ sheets, 24x96, or its equivalent, and will lay one square (100 square feet) less the lap at the end of the sheets.

2½ Inch Corrugated Ridge Roll

Painted or Galvanized.

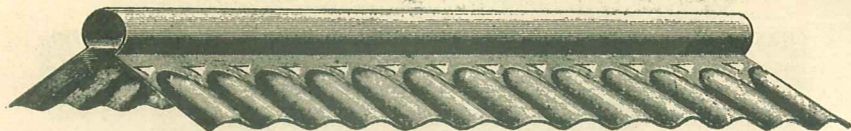


Fig. 200

Edwards Corrugated Roll Ridging gives a finished, well-done look to the roof that is very pleasing. It fits tightly and is guaranteed to give perfect satisfaction. To be used with corrugated roofing on all gable roofs.

Round Ridge Roll Capping

Painted or Galvanized.



Fig. 9

Gives a neat, finished appearance to your roof, affords protection against rain or snow beating under, and is especially recommended for use with V Crimp, Roll and Cap, or Standing Seam Roofing. 8 and 10 foot lengths.

V-Angle Ridge Capping

Painted or Galvanized.



Fig. 8

An inexpensive, durable cap for roof ridge. Made of the same high grade material as all Edwards metal goods. Furnished in 8 and 10 foot lengths. We do not cut lengths.



Fig. 159

Valley and Gutter Linings in Rolls

Tin or Galvanized.

Furnished in Rolls 50 feet long, 10, 14, 20, 28 inches wide, painted one side, unless otherwise ordered.

Galvanized Valleys in Sheets

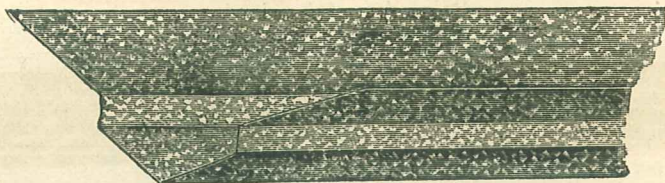


Fig. 17

Made in all sizes, 8 and 10-foot lengths.

The best Valley made for any kind of Roof—especially adapted for Wood Shingle or Slate Roof.

Wire Eaves Trough Hanger

**SIMPLE, SUBSTANTIAL, NEAT,
DURABLE, CHEAP.**

Triple Strength in Cross Bar. Absolutely the Strongest Wire Hanger Made.

Is made of the best Galvanized Steel Wire. Can be quickly and easily adjusted to trough, and is the only Wire Hanger forming a complete Brace as well as Hanger, thus holding the trough to shape as well as place.

Note third wire making brace "A."

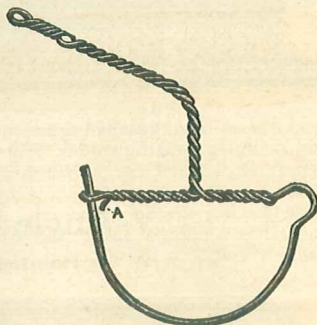


Fig. 161

N. B.—All hangers sent with $\frac{1}{2}$ -inch beads, except 7-inch size, which will be $\frac{5}{8}$ -inch bead, unless otherwise ordered.

The Edwards Rain Water Cut-Off

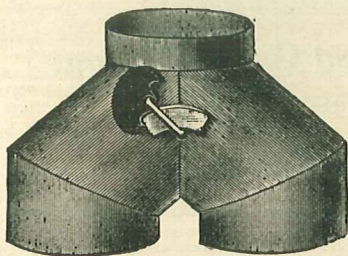


Fig. 154

DURABLE, SIMPLE AND CHEAP.

The Strongest and Best Rain Water Cut-Off Ever Placed on the Market.

Try a sample order, and if not as represented, we will refund the money.

Round Galvanized Corrugated Expanding Conductor Pipe

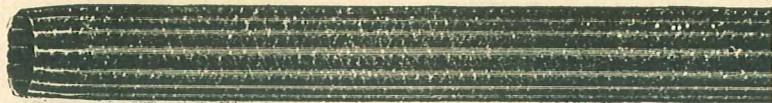


Fig. 67.

This is infinitely stronger and better than pieced conductor. It has no cross seams and is the longest seamless pipe manufactured. This conductor is not in any way affected by heat or cold and is the only kind of conductor made that will not burst, even if frozen solid. This is by a long ways the stiffest, toughest and most attractive corrugated pipe on the market. Made only in 10 foot lengths. We do not cut lengths.

We advise the use of 2-inch corrugated pipe with $3\frac{1}{2}$ -inch and 4-inch trough ; 3-inch pipe for 5-inch trough, and 4 or 5-inch pipe for 6-inch trough.

Plain Round Galvanized Lock Seam Conductor Pipe

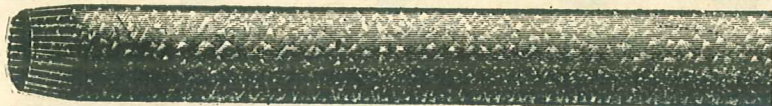


Fig. 73

Each Length a Single Perfect Piece

Made of No. 28 gauge Galvanized Steel in 10 foot lengths without cross seams. This pipe is largely used for ventilating, heating blast, hot air and blower pipe ; and for all classes of work where strength and durability are desired. It is rounder, stiffer and more durable than any other, and therefore unequalled for use in ventilation by Plumbers and others. Packed in skeleton crates. All sizes, $1\frac{1}{2}$ to 6 inches can be nested in one crate.

Square Corrugated Conductor Pipe



Fig. 68

Galvanized Steel. 10-foot lengths. Cold Rolled Copper, 8 foot lengths. Not affected by expansion or contraction. The shape of our pipe is now the recognized standard, and buyers should not accept any other. Made of best quality No. 28 gauge Steel, and 14 and 16-ounce Copper.

Packed 250 feet in crate. All sizes can be nested and packed in one crate.

Polygon Pipe

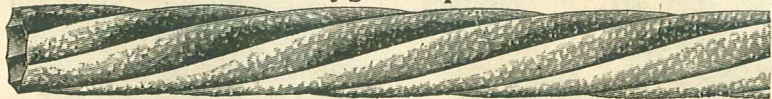


Fig. 39

Made of Galvanized Iron in 10-foot lengths and of Copper in 8-foot lengths, without cross seam. Ice forming in it will not burst seams, but on account of the spiral construction of the pipe, will descend gradually without injuring it. During heavy rains water will descend more freely, as pipe will not choke. Made under the Weitzel patent patented August 26, 1894, and October 26, 1897.

Packed 250 in crate. All sizes can be nested in one crate.

Flat Crimp Round Corrugated Expanding Elbows and Shoes

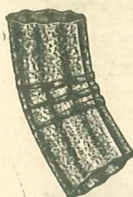
(PATENTED)

Fig. 143

Expand WITHOUT BREAKING. The Corrugations run
Parallel THE ENTIRE LENGTH and MAKE THE
CURVES IN UNISON with the Pipe.



Shoe



No. 0



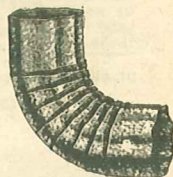
No. 1



No. 2



No. 3



No. 4

Made in the following angles : No. 0, 30 degrees ; No. 1, 45 degrees ;
No. 2, 60 degrees ; No. 3, 75 degrees ; No. 4, 90 degrees. We will send
the No. 3, 75 degrees, unless otherwise specified. Sizes carried in stock,
2, 3, 4, 5, and 6 inches.

Flat Crimp Plain Round Elbows and Shoes

Fig. 145



No. 0.



No. 1



No. 2.



No. 3



No. 4



Shoe

Flat Crimp Square Elbows. Expanding Style A

Fig. 144-A



No. 1



No. 2



No. 3



Shoe

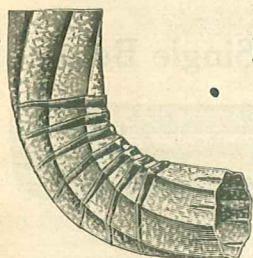
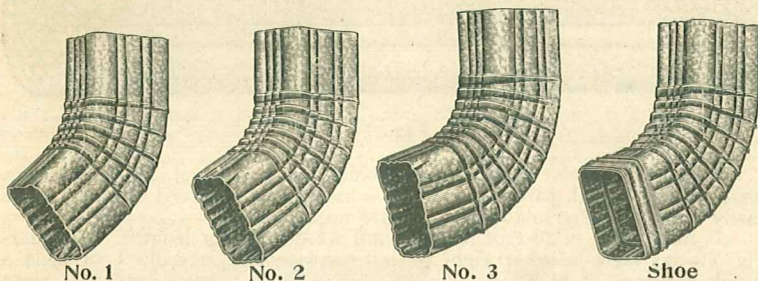
By combination of styles A and B, a square conductor can be made to
turn the corner of a building as readily as the round conductor.

Size 2, 3, 4 and 5 inches.

Fig. 144-B. Flat Crimp Square Elbows

Expanding. Style B

(Right and Left Pattern)



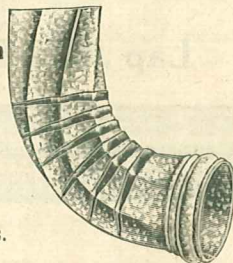
No. 3

Flat Crimp Polygon Expanding Elbows and Shoes

(PATENTED)

Fig. 42.

Size 2, 3, 4, 5 and 6 inches.



Shoe



No. 40

Ornamental Stamped Elbows and Shoes

Made of Zinc.

Size 2, 3, 4, 5 and 6 inches.

Ornamental Elbows and Receivers used in connection with Polygon Pipe will add to the appearance of a building.

Either Polygon or Ornamental Stamped Elbows can be used with Polygon Pipe.



No. 551.

Galvanized Slip Joint Eaves Trough Single Bead

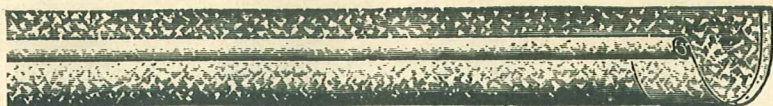


Fig. 74.

The most popular eaves trough made, and in general use everywhere. Ends are fitted with patent slip-joints, which are guaranteed to clamp more easily than any other made, and require no soldering.

Is made only in 10-foot lengths, and we do not cut lengths. In ordering, always state whether right or left-hand trough is wanted, or send a rough diagram of building. Unless specified, we always send half right and half left-hand.

Lap Joint Eaves Trough. Single Bead

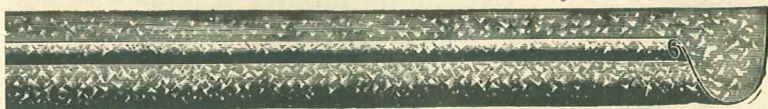


Fig. 98.

Our lap-joint is made of the very best material, is tough and strong, and for this there is a big demand. The joints are made by lapping one length into the other. Made in 10-foot lengths. We do not cut lengths.

Double Bead Slip Joint Eaves Trough

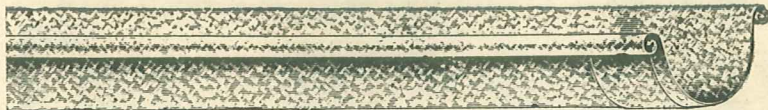


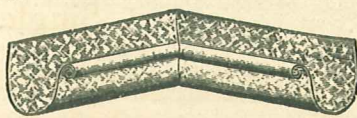
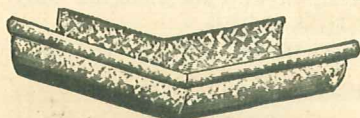
Fig. 99.

Having a bead on both sides of trough, it can be used with either side to the building; therefore to run water to the right or to the left. Our Double Bead Eaves Trough is placed to the building with the slip-joint to the right for the former, and to the left for the latter. We can make a $\frac{1}{2}$, $\frac{5}{8}$ or $\frac{3}{4}$ -inch bead. In ordering please state size and whether Lap or Slip Joint is wanted.

All sizes packed 250 feet to crate.

Two-Piece Eaves Trough Mitres

Fig. 147



Outside Corner Mitre.

Inside Corner Mitre.

Galvanized slip-joint and lap-joint for use with our eaves trough. In ordering, state whether right or left-hand mitres are wanted, and whether for outer or inner eaves. If you do not state, we will ship your order half right and half left-hand, half inner and half outer eaves. We have in stock at all times $3\frac{1}{2}$, 4, 5 and 6 inch sizes.

Eaves Trough Ends and Drops



Fig. 148

We show here illustrations of end pieces complete and slip-joint cap suitable for our slip-joint eaves trough. The illustration at the top shows the end piece complete. This piece is about 12 inches in length, and can be attached to our slip-joint eaves trough without soldering.

A represents a 12-inch section of Trough, with drop (B) soldered on, and the end closed with our Slip-Joint End Cap (C).

B represents a Drop or Outlet.

C represents our Slip Joint End Cap, which requires no solder. May be used right or left.

NOTE—We furnish end sections (A) complete for $3\frac{1}{2}$ and 4-inch Trough with 2-inch Drop; for 5-inch Trough with 3-inch Drop; for 6-inch Trough with 4-inch Drop.

Conductor Pipe Hooks and Fasteners

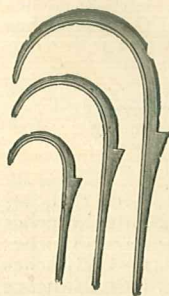


Fig. 70.

Made of Best
Malleable Iron
Tinned.

Always state
whether hooks
wanted are for
wood or brick.
Sizes 2, 3, 4, 5 and
6 inches.

Wire Conductor Pipe Strainers

Galvanized.

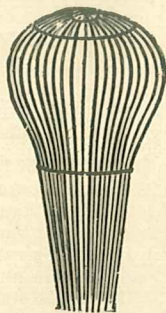


Fig. 69.

Placed in the outlet of Eaves Trough to prevent leaves, etc., from entering or stopping up the conductor. The size given designates the size outlet strainer will fit.

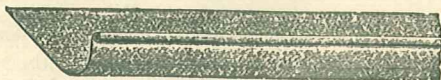
Size, 2, 3, 4, 5 and 6 inches.

The Edwards Roof Gutters

Made of Best Quality Galvanized Steel, in 10-Foot Lengths Only.
NO WOOD SUPPORTS NEEDED.

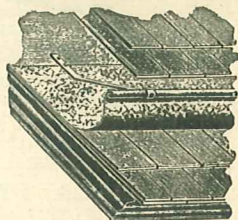
Used on All Kinds of Roofs.

Fig. 149.



ROOF GUTTER—Style A

Galvanized Steel—14 inch Girt, $\frac{5}{8}$ inch Bead
Galvanized Steel—20 inch Girt, $\frac{5}{8}$ inch Bead
Galvanized Steel—24 inch Girt, $\frac{5}{8}$ inch Bead

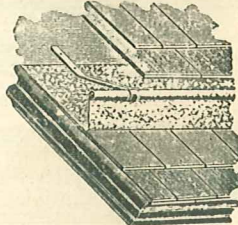


Style A in position.

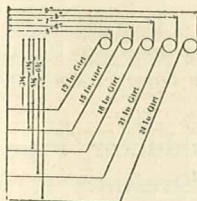


ROOF GUTTER—Style B

Galvanized Steel—15 inch Girt, $\frac{5}{8}$ inch Bead
Galvanized Steel—20 inch Girt, $\frac{5}{8}$ inch Bead
Galvanized Steel—24 inch Girt, $\frac{5}{8}$ inch Bead

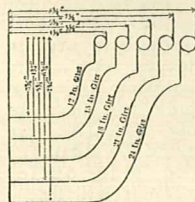


Style B in position.



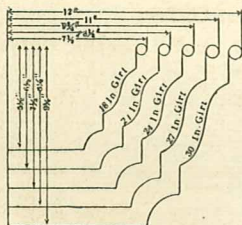
ROOF GUTTER—Style D

Size, 5 inches; Depth, $3\frac{1}{2}$ inches; Girt, 12 inches
Size, 6 inches; Depth, $4\frac{1}{2}$ inches; Girt, 15 inches
Size, 7 inches; Depth, $5\frac{1}{2}$ inches; Girt, 18 inches
Size, 8 inches; Depth, $6\frac{3}{4}$ inches; Girt, 21 inches
Size, 9 inches; Depth, 8 inches; Girt, 24 inches



ROOF GUTTER—Style F

Size, $4\frac{1}{2}$ inches; Depth, $3\frac{3}{4}$ inches; Girt, 12 inches
Size, $5\frac{1}{2}$ inches; Depth, $4\frac{3}{4}$ inches; Girt, 15 inches
Size, $6\frac{1}{2}$ inches; Depth, $5\frac{3}{4}$ inches; Girt, 18 inches
Size, $7\frac{1}{2}$ inches; Depth, $6\frac{3}{4}$ inches; Girt, 21 inches
Size, $8\frac{1}{2}$ inches; Depth, $7\frac{3}{4}$ inches; Girt, 24 inches



ROOF GUTTER—Style J.

Size, $7\frac{1}{2}$ inches; Depth, $5\frac{1}{2}$ inches; Girt, 18 inches
 Size, $8\frac{1}{2}$ inches; Depth, $6\frac{1}{2}$ inches; Girt, 21 inches
 Size, $9\frac{3}{4}$ inches; Depth, $7\frac{1}{2}$ inches; Girt, 24 inches
 Size, 11 inches; Depth, $8\frac{1}{2}$ inches; Girt, 27 inches
 Size, 12 inches; Depth, $9\frac{1}{2}$ inches; Girt, 30 inches

Edwards Combination Roof Gutters

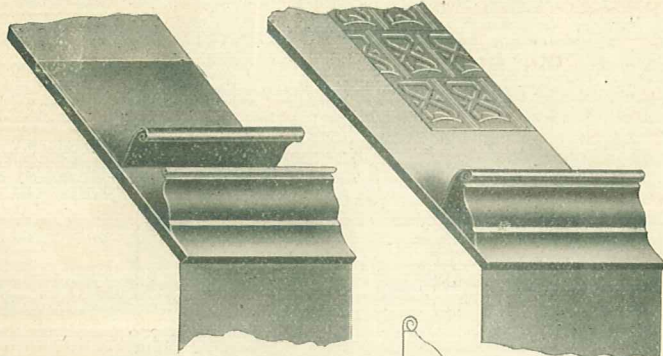
Fig. 149.—C.—B.

The following illustrations show a Stop Gutter and Cornice combined, the most ornamental and effective production ever offered.

We make this Gutter of the best quality No. 28 gauge Galvanized Steel, in 10-foot lengths. We also make this Gutter in one piece, producing exactly the same effect. Please state if one or two-piece Gutter is wanted. Prices the same.

(1)

(2)



(3)

Fig. 1 shows Face Moulding to which Gutter is to be attached.

Fig. 2 shows Face Moulding and Gutter locked together and in position.

Fig. 3 shows different positions of Gutter Apron to give the required fall.

Explanation of Sizes.

18-in. Girt; Face Apron, $1\frac{1}{4}$ -in.; Depth, $2\frac{3}{8}$ -in.; Gutter Apron, 8 -in.
 20-in. Girt; Face Apron, $1\frac{3}{4}$ -in.; Depth, $2\frac{3}{4}$ -in.; Gutter Apron, $8\frac{3}{4}$ -in.
 24-in. Girt; Face Apron, 3 -in.; Depth, $3\frac{1}{2}$ -in.; Gutter Apron, 10 -in.
 28-in. Girt; Face Apron, 5 -in.; Depth, $3\frac{1}{2}$ -in.; Gutter Apron, 12 -in.

To give the required fall, draw the Gutter Apron up the roof, as shown in sectional view (Fig. 3.)

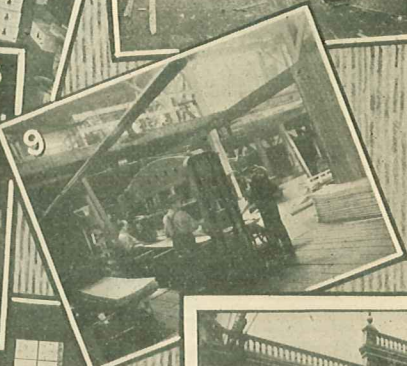
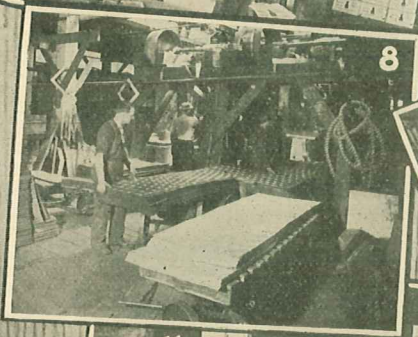
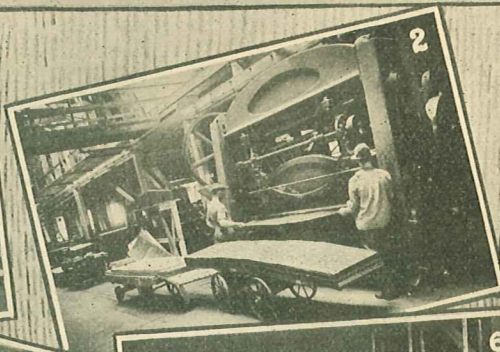
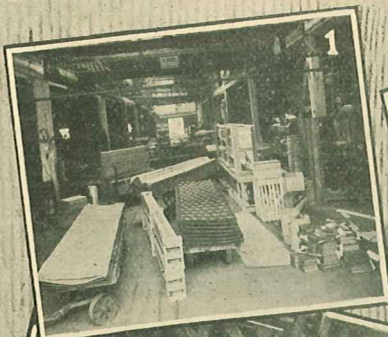
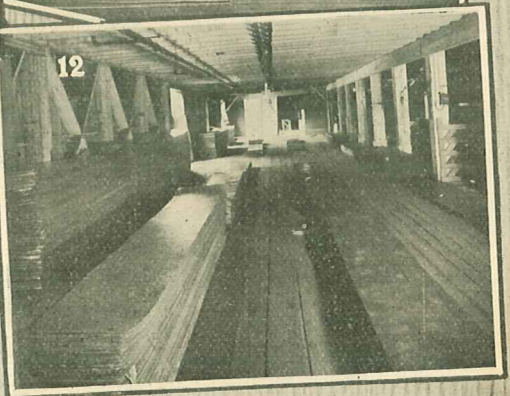
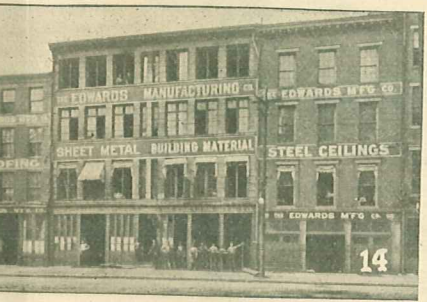
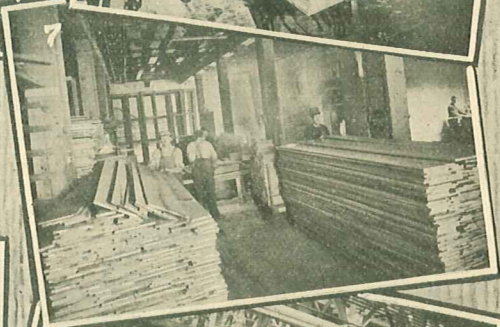
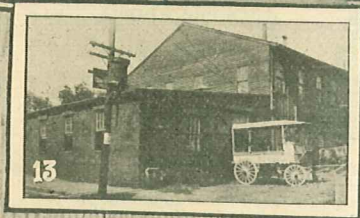
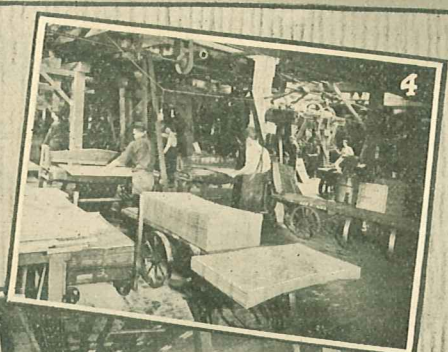
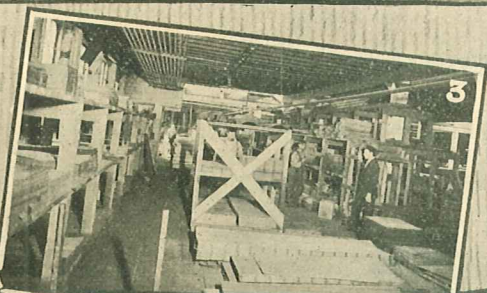


Fig. 1 A Corner in the Shipping Dept.
 Fig. 2 Making Metal Roofing.
 Fig. 3 Steel Ceiling Stock Room.

Fig. 4 Steel Ceiling Stamping Dept.
 Fig. 5 Metal Shingle Dept.
 Fig. 6 Steel Boat Dept.

Fig. 7 Crating Dept.
 Fig. 8 Stamping Reo C.
 Fig. 9 Steel Roofing D.



Cluster Shingles.
Dept.

Fig. 10 Stock Room and Shipping Office.
Fig. 11 Galvanizing Metal Shingles.
Fig. 12 Another View of Stock Room,

Fig. 13 Edwards Mfg. Co., Original Plant
Fig. 14 Edwards Mfg. Co., Sycamore St. Plant
Fig. 15 Edwards Mfg. Co., Eggleston Ave. Plant

Edwards Ornamental Roof Crest

A Substantial Roof Orna

MADE OF BEST QUALITY GALVANIZED

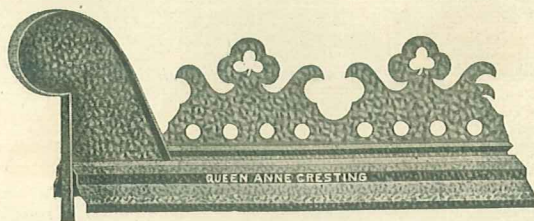


Fig. 1575
Queen Anne
Cresting

Cresting Height 14 in.
Finial Height 14 in.

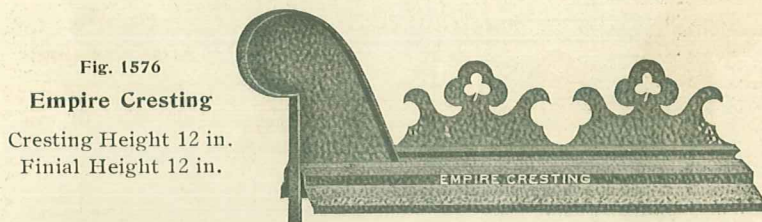


Fig. 1576

Empire Cresting

Cresting Height 12 in.
Finial Height 12 in.

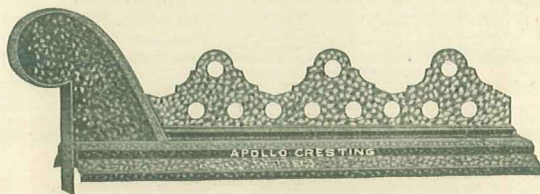


Fig. 1577

Apollo Cresting

Cresting Height 10 in.
Finial Height 10 in.

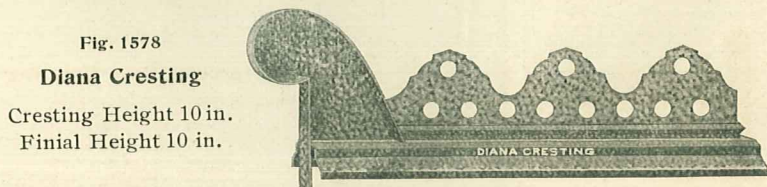


Fig. 1578

Diana Cresting

Cresting Height 10 in.
Finial Height 10 in.

ting and Ridge Roll Combined mentation at a Low Cost STEEL IN TEN FOOT LENGTHS ONLY

Fig. 1579

Arcade Cresting

Cresting Height 8 in.
 Finial Height 8 in.

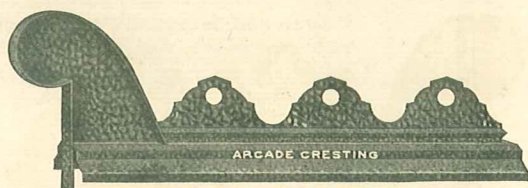
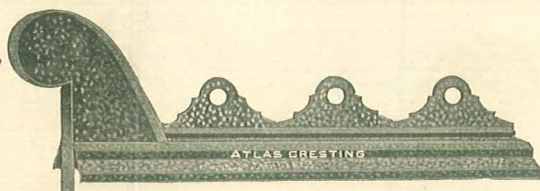


Fig. 1580

Atlas Cresting

Cresting Height 8 in.
 Finial Height 8 in.



Edwards Ornamental Deck Cresting and Railing

Best Quality Galvanized Steel in 10 foot Lengths

Fig. 1581

Tuscan Deck Cresting

Corner Post
 Height 13 in.
 Height 18 in.
 Cresting Height 9 in.
 Height 14 in.

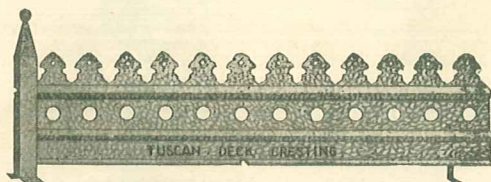
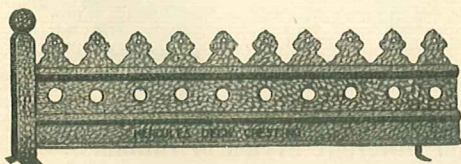


Fig. 1582

Hercules Deck Cresting

Corner Post
 Height 13 in.
 Height 18 in.
 Cresting Height 9 in.
 Height 14 in.

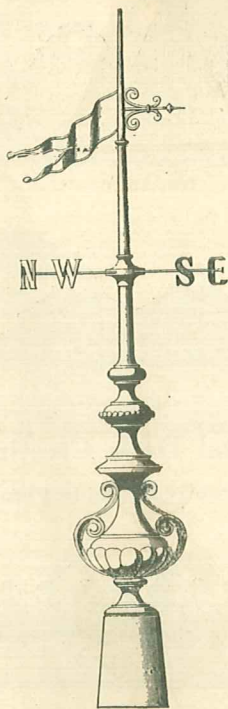


The Edwards Finials and Weather Vanes

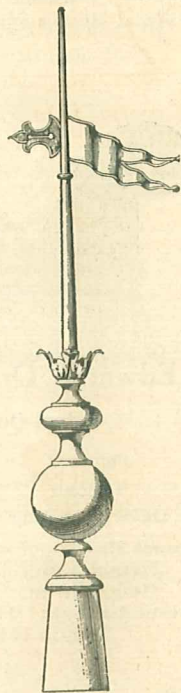
Spun and Stamped Parts Made of Heavy Zinc



No. 52
Height, 50 in.



No. 46
Height, 7 feet.

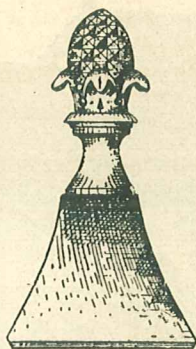


No. 41
Height, 6 feet.

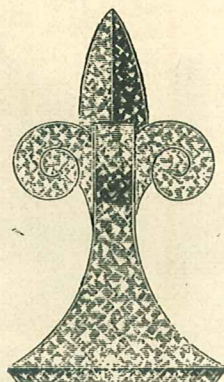
We Make Over 100 Different Styles of Finials



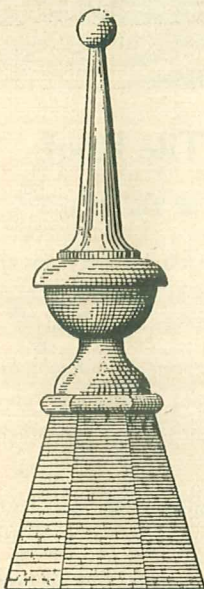
No. 1524
Height, 20 inches.



No. 1526
Height, 22 inches.



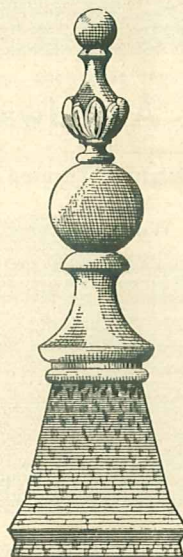
No. 1530
Height, 33 inches.



No. 1511
Height, 3 feet.

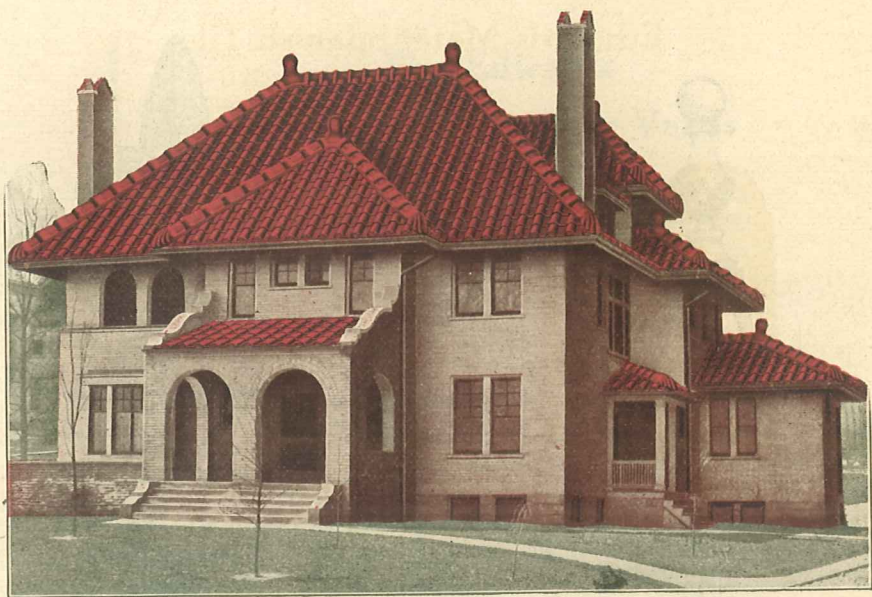


No. 1515
Height, 30 inches.



No. 1513
Height, 2 feet.

Spun and Stamped Parts Made of Heavy Zinc.



An Edwards Metal Spanish Tile Roof

Rightly Termed The "Most Beautiful Roof in The World."

When the Moors were driven out of Spain, they left behind them the art of making beautiful earthen ware Roofing Tiles that lend such charm to many of the ancient buildings still standing in that historic country.

Thousands of people have admired these decorative, harmonious earthenware Spanish Tiles, and wished to have their roof similarly covered, but on account of their evident disadvantages have chosen a more practicable, if less beautiful style of roof.

Their great weight, liability to breakage and displacement, with consequent leakage, and their high cost have kept them from more common use.

We have produced in light, strong metal, an exact reproduction of these beautiful Spanish Tiles, and can furnish them at much less cost than the earthenware tiles. This enables you to enjoy all the beauty, ornament and advantages, without danger and disadvantages and at a strikingly low cost.

Edwards Metal Spanish Tile

Are manufactured from our special brand of Tin Plate and are furnished either Tin Painted or Tin Galvanized (galvanized after formation), size 10 x 14 inches.

Our Method of Manufacture.

After the sheets are perfectly squared and cut to the required size, they are fed into a powerful press which stamps out the design, each tile being a perfect counterpart of the other, so that laying them on the roof is but a matter of following straight lines.

They can be applied without soldering, the use of special tools and by an ordinary mechanic at a very moderate cost.

Our Tin painted Tiles are given a good substantial coating both sides of our special Tile paint which is an exact imitation of the clay Tile in color. Our Tin Galvanized Tiles are dipped (after being stamped) into a bath of Melted Zinc, each Tile separately adding a second coat of almost 20 lbs. to the 100 square feet, thereby giving them a uniform coating and leaving no raw edges exposed to corrode and rust.

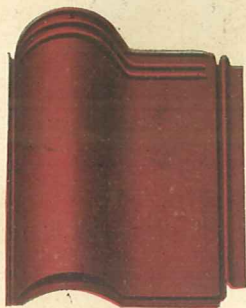


Fig. 367

Metal Spanish Tile for main part of roof.



Note the construction of side lock on our Shingles and Tile.

The method of interlocking forms the only perfect system of expansion and contraction, so essential in securing an absolutely water-tight roof. While in the majority of cases our Tiles have been applied only on new buildings, they can just as readily be used on old buildings.

Send us the dimensions of your building, and we will forward the exact cost of material, delivered f. o. b. your nearest railroad station.



Fig. 369

Metal Spanish Tile Starter or Eave Tile, with closed ends, for edge of roof at gutter.

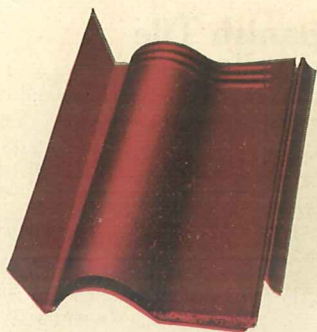
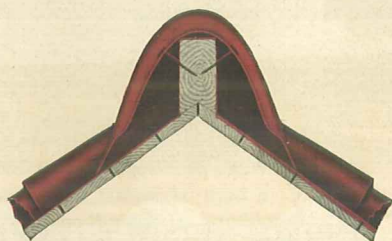


Fig. 399
Metal Spanish Tile—Side Wall
Flashing.



Fig. 400
Metal Spanish Tile—Gable Starter.



Metal Spanish Tile
Method of applying Hip and Ridge
Tile

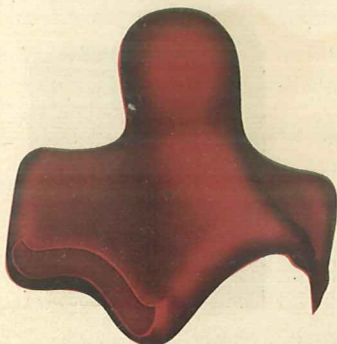


Fig. 392
Metal Spanish Tile—Ridge and
Hip Terminal (side view).
Height, 18 in. Width, 20 in.



Fig. 393
Metal Spanish Tile—Hip Starter.
Height, 9 in.
Width, 11 in. Length, 18 in.

Metal Spanish Tile

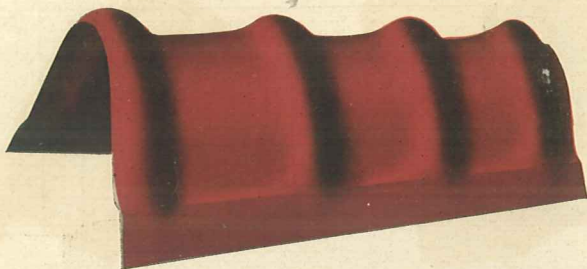


Fig. 370
Hip Finish

Height, 9 inches.

Width, 11 inches.

Length, 26 inches.

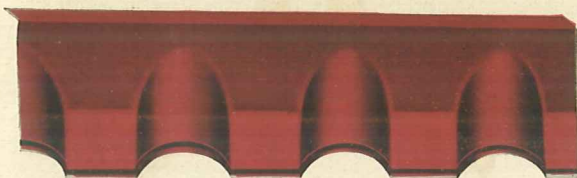


Fig. 379
End Wall, Porch or Deck Flashing

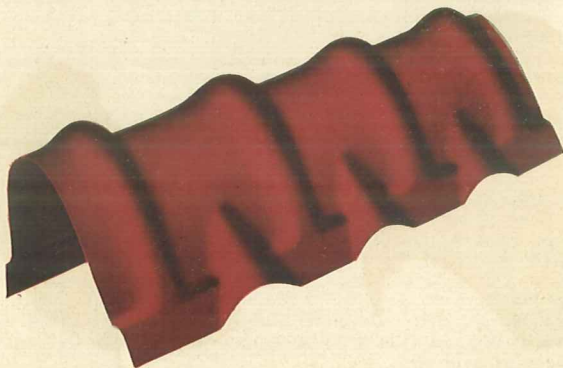
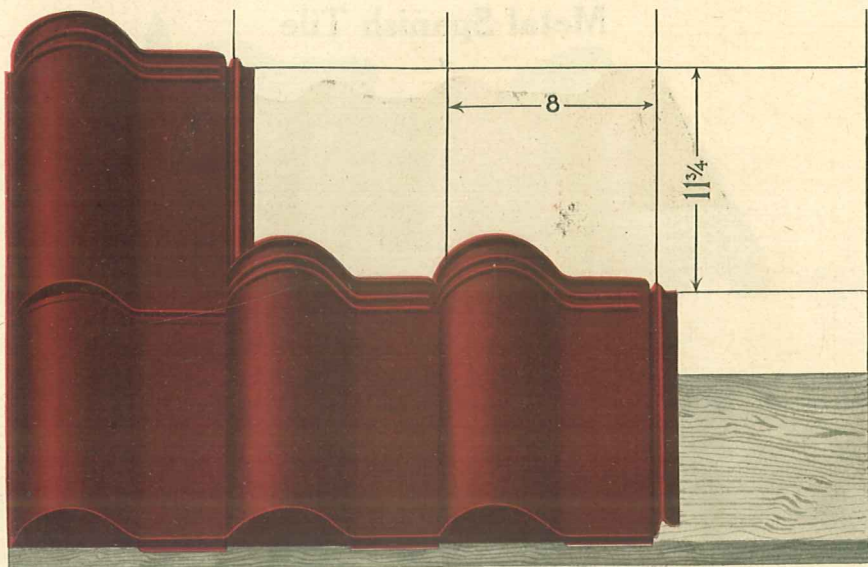


Fig. 372
Finish for Ridge of Roof

Height, 9 inches.

Width, 14 inches.

Length, 24 inches.



Directions for Applying Edwards Metal Spanish Tile

First apply a flashing along eaves of roof, about 4 inches or wider, edges turned down at right angles. Draw a straight line along the eaves from one side of roof to the other. See that this line touches roof its entire length. Next line roof up and down and crosswise as shown above, keeping all perpendicular lines at right angles to starting or eave line.

Commence at extreme left of roof near gable or hip and lay starting course, keeping bottom part of tile true to eave line and also true to perpendicular lines.

Do not let tiles project over edge of eaves. The nailing edge is on right-hand side of tile. Lay next course, lapping over first course just enough to cover storm ribs on upper part of tile; now lay third course and so on up to ridge of roof.

On hips put up a strip of wood $3\frac{1}{2}$ inches wide by 2 inches thick and cut tiles to fit close up to same; on this put hip tiles, cutting them to fit rounds of roof tile; on ridges put a strip 3 inches wide by 2 inches thick and fit ridge tiles over this.

In finishing to valleys, cut tiles so as to make a straight line and fill open part of round part of tile with metal and solder to valley; do not nail through valley.



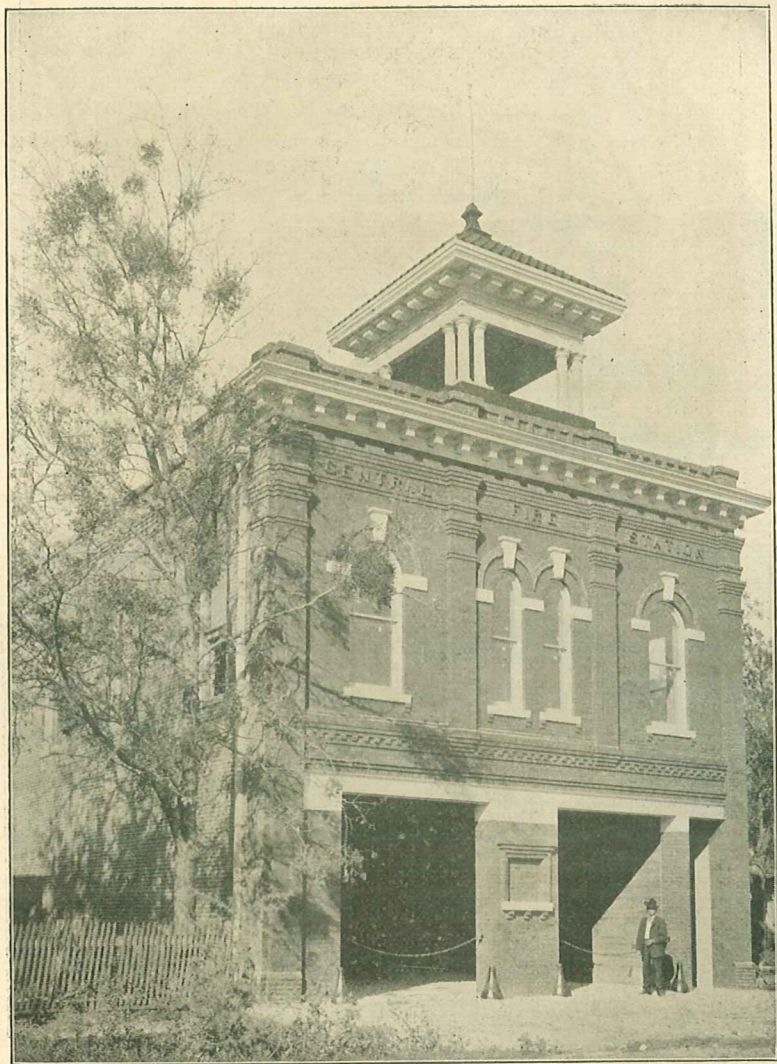
Residence at Clarksburg, W. Va., covered with The Edwards Metal Spanish Tile, by Dawson Roofing Co., Clarksburg, W. Va.



Residence at Lincoln, Nebr., C. R. Lehrack, Architect, erected by
Lincoln Stone & Supply Co., roofed with The Edwards
Metal Spanish Tile.



Residence of C. F. Otey, Robinson, Ill., covered with The Edwards
Metal Spanish Tile.



Central Fire Station, Seguin, Texas, covered with Edwards Metal Spanish Tile, by Viveroux Hardware Co., Seguin, Texas.



Residence of Mr. Geo. R. Edwards, Cincinnati, Ohio, covered with The Edwards "Metal Slate," a perfect water, wind, fire and lightning proof roof covering.

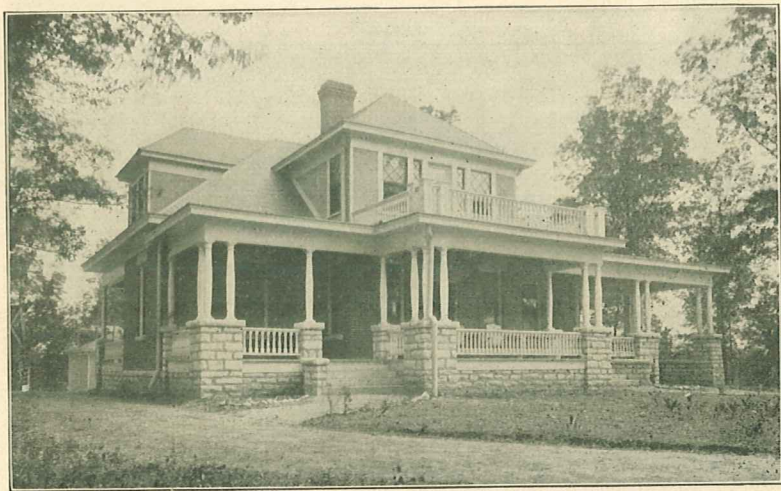


Residence of Chas. W. Blake, Kalamazoo, Mich., covered with The Edwards Metal Shingles, Roof Cresting, Cornice, etc.

Note contrast between A METAL SHINGLE ROOF and the wood shingle roof shown on the right in picture.



"Vista Concho," home of John P. Lee, prop. Leedale Stock Farm, San Angelo, Texas, covered with The Edwards Metal Shingles.



Residence of Mrs. Gibson, Hendersonville, N. C., covered with The Edwards Metal Shingles.



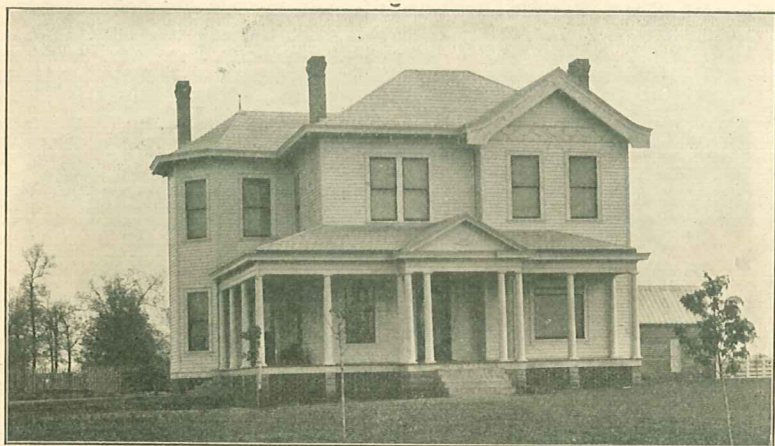
Residence of E. M. Waddle, Assistant Cashier First National Bank,
Somerset, Ky., covered with The Edwards Metal Shingles.



Residence of Mrs. Hurt, Hendersonville, N. C., covered with The Edwards
Metal Shingles.



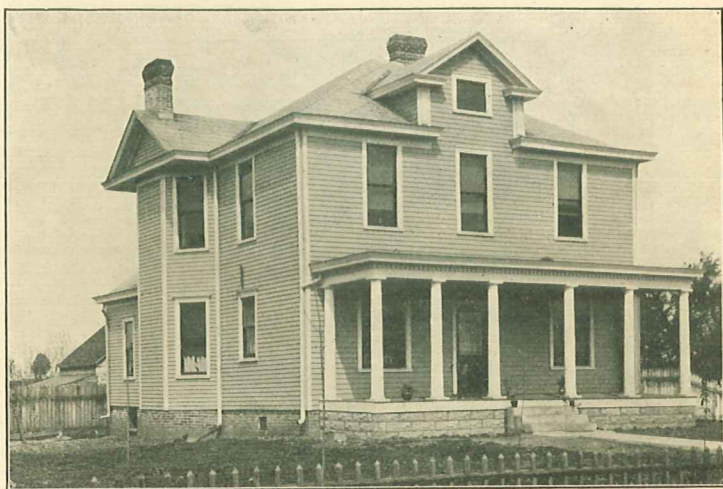
Residence of O. S. Larkby, South Norwood, Ohio, covered with
Edwards Rookwood Metal Shingles.



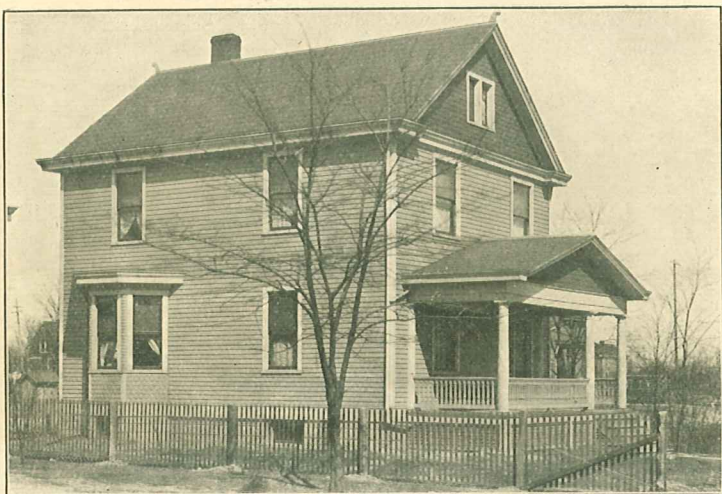
Residence of R. H. Kitrell, Murfreesboro, Tenn., covered with
The Edwards Metal Shingles.



Residence of Brownlow Jackson, Hendersonville, N. C., covered with
The Edwards Metal Shingles.



Residence of W. E. Hudson, Murfreesboro, Tenn., covered with
The Edwards Metal Shingles.



Residence of A. J. Pearce, College Hill, Ohio, covered with
Edwards Queen Anne Metal Shingles.



Residence of A. Homer Hawkins, Hendersonville, N. C., covered with
The Edwards Metal Shingles.



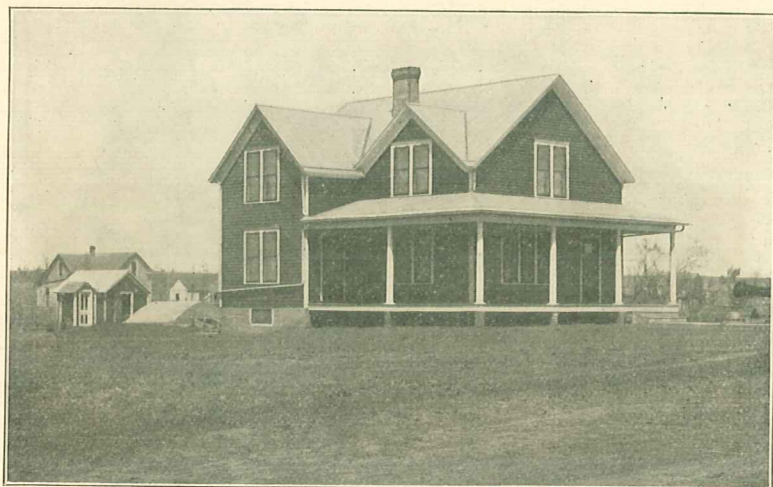
Residence of R. M. Phillipi, Burnside, Ky., covered with
The Edwards Metal Shingles.



Residence of G. W. Brooks, Hendersonville, N. C., covered with
The Edwards Metal Shingles.



Residence of D. N. Reese, Cynthiana, Ky., covered with
The Edwards Metal Shingles.



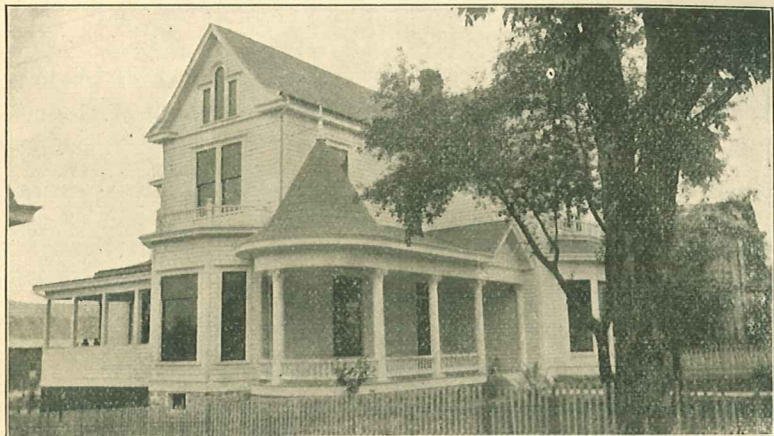
Residence of Frank V. Illingworth, Medicine Lodge, Kansas.
covered with Edwards Reo Steel Shingles.



Residence of Henry Jordan, Hendersonville, N. C., covered with
Edwards Metal Shingles.



Residence of G. F. Jones, Big Stone Gap, Va., covered with
Edwards Metal Shingles.



Residence of Wm. Converse, Somerset, Ky., covered with
Edwards Metal Shingles.



Residence of A. Ficker, Hendersonville, N. C., covered with
The Edwards Metal Shingles.

MESS. EDWARDS MFG. CO., Cincinnati, O.

Gentlemen :—I am sending you under separate cover, photo of home on which I used your Metal Shingles, Crestings, Cornice, etc.

Everything ordered from you for this house has proven entirely satisfactory, and at a considerable saving over ordinary shingle roofing.

My insurance rate was nearly 20 per cent. cheaper than it would have been with shingle roof. I can heartily recommend the use of your Metal Roofing to anyone needing economical, easily applied, roofing materials, giving very beautiful and showy effects. My wife says not the least advantage is the water, which comes from the roof free from color and sediment, as clear as the purest holly or well water.

Yours respectfully,

CHAS. W. BLAKE,

1007 So. Park St.

Kalamazoo, Mich.

April 29, 1907.

Robinson, Ill., June 1st, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen :—I wish to report to you that your Spanish Metal Tiles shipped to me Nov., 1908, and I found them more than satisfactory in every way. Permit me to further say that I had no trouble in laying the same in place with carpenters.

Yours respectfully,

C. F. OTEY.

MEDICINE LODGE, KANS., September, 7, 1908.

THE EDWARDS MFG. Co., Cincinnati, Ohio.

Gentlemen—In reference to the Reo Cluster Shingle Roofing, I secured from you: Three or four parties here now building houses have inspected the roof, and all expressed their intention of using this, as the laying of my roof has attracted considerable attention.

I have been asked by two parties to order sufficient roofing for them.

I might say I am highly satisfied with your roofing.

Yours truly,

THOMAS BEST.

MEDICINE LODGE, KANS., June 11, 1909.

THE EDWARDS MFG. Co., Cincinnati, Ohio.

Gentlemen—Replying to your favor of the 9th, I can say that I am very well pleased with the "Reo" Steel Cluster Shingles on my house, which I consider far superior to Wood Shingles both for looks and wearing qualities. I shall certainly recommend your roofing to any one wishing a good looking and durable roof.

I shall be glad to send photograph of house.

Yours truly,

FRANK V. ILLINGWORTH.

FALLS MILLS, VA., May 3, 1907.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Dear Sirs—I received a letter from you a short time ago asking for a picture of buildings covered with your shingles. My house is the only one in neighborhood and I have no picture of my house, but am delighted with my roof.

One of my neighbors, Mr. R. R. Harry, of Bluefield, W. Va., is building a very fine house and is talking about using your shingles. He came to see my roof a few days ago and was pleased with your shingles.

I will recommend your shingles to all my neighbors that need a roof.

Yours truly,

C. W. GRAHAM.

CYNTHIANA, KY., May 29, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—We take pleasure in saying that we are using the Edwards Metal Shingles on two of our houses, and that they have been on for about three years and have given thorough satisfaction. We heartily recommend them as being first-class in every respect.

Very truly,

EALS & PETERSON.

BIGSTONE GAP, VA.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—It affords me much pleasure to state to you that the Edwards Metal Shingles I bought from you about three years ago are giving entire satisfaction, and I can recommend these shingles to anyone in the market for roofing. I believe them to be the best Metal Shingles manufactured for the price in the world.

Yours truly,

G. F. JONES.

CYNTHIANA, KY., May 29, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I used the Edwards Metal Shingles on my house in 1906. They have given me perfect satisfaction. The roof looks like new all the time. The only thing I would say that you don't claim half enough for your shingles.

Respectfully,

J. T. McCAULEY.

HENDERSONVILLE, N. C., May 29, 1909.

Gentlemen—The roof is O. K. It has not given any trouble and I believe this is a good shingle.

Yours truly,

A. HOMER HAWKINS.

MURFREESBORO, TENN., May 28, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—In October, 1906, I covered my new residence with Edwards Galvanized Shingles. Have never had a leak. Shingles are entirely satisfactory and I never expect to have to put on another roof on this house in my day and generation.

Yours very truly,

W. E. HUDSON.

HENDERSONVILLE, N. C., May 29, 1909

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—It gives me pleasure to state that I have used "The Edwards Metal Shingles," and have found them satisfactory in every respect.

Respectfully,

BROWNLOW JACKSON.

HARTSVILLE, TENN., May 4, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I have your favor of the 1st inst. Have a house just completed covered with your shingles and makes a beautiful roof and well pleased with it. Have no photographer in our town to get photo of same. Wish we had—it would show off well. It is admired very much.

Yours truly,

R. M. POTTS.

COVINGTON, LA., August 6, 1908.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I am in receipt of several communications addressed to my brother, the late Jas. J. Plattsmier. My brother died very suddenly on February 19th, before the home, his and mine, that he was building was completed.

I am pleased to be able to tell you that the metal shingle roof he ordered from you gave entire satisfaction and was admired by all, and, had my brother lived, it was his intention to write you the same.

Very respectfully,

(MRS.) E. PLATTSMIER SAUTER.

HARTSVILLE, TENN., April 6, 1907.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—In reply to yours of the 3rd inst., would be glad to furnish you with photo, but as we have no photographer in our town, cannot do so. I am well pleased with Shingles bought from you and can recommend same to anyone desiring to purchase a good roof.

Yours respectfully,

J. BURKHART.

SEWANEE, TENN., April 8, 1907.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—Your letter of the 1st inst. to hand. Sorry I have no photo of my residence. It is in a nice location.

Your shingles on my residence give perfect satisfaction. They make a good and beautiful roof.

Sincerely,

WM. ZAUGG.

CYNTHIANA, KY., May 29, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gents—My residence was covered with the Edwards Metal Shingle over two years ago and the roof has given perfect satisfaction, and do not hesitate to say, that whoever uses these shingles will have a roof that will not leak and one that will last as long as any shingle I have ever seen used in this town.

D. N. REES.

BURNSIDE, KY., May 29, 1909...

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I had my residence covered with your metallic shingles about three years ago. It is giving perfect satisfaction in every respect. The covering is in as good condition now as when it was first put on.

Yours truly,

R. M. PHILLIPPI.

SOMERSET, KY., May 28, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—The roof put on my house several years ago of Edwards Metal Shingles is still in good condition and very satisfactory.

Respectfully yours,

JOHN C. OGDEN.

ALLENDALE, S. C., May 10, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I am sending you photo of buildings erected by me in Allendale, S. C., on which I used Edwards Metal Shingles for roof. I find it to be a perfect roof in every way and can highly recommend it as such.

Hoping this may be of some service to you, I beg to remain,

Yours very truly,

W. E. CRITCHER.

BETHPAGE, TENN., April 8, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

I covered my house last October with your tin shingles and I am well pleased with them.

As there is no artist here I cannot furnish photograph now.

Respectfully,

O. W. REESE, M. D.

BIG STONE GAP, VA., June 5, 1909...

THE EDWARDS MFG. CO., Cincinnati, Ohio.

Gentlemen—I am well pleased with the Edwards Metal Shingles put on my house some time ago. They have given perfect satisfaction in every way and I do not hesitate to recommend them to anyone desiring a handsome water-proof roof.

Yours truly,

W. G. LANE.

BIG STONE GAP, VA., June 5, 1909.

THE EDWARDS MFG. CO., Cincinnati, Ohio.

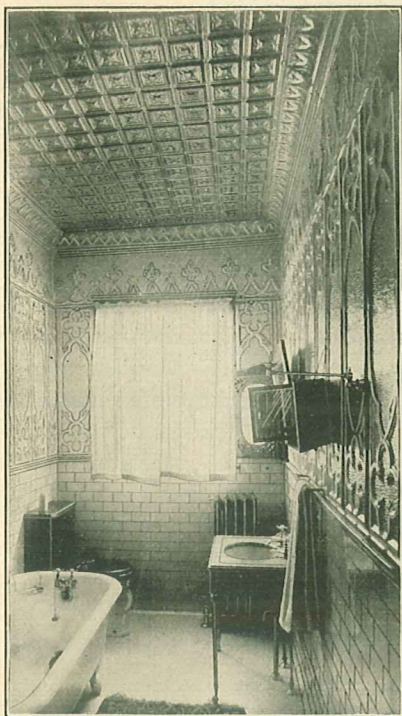
Gentlemen—I have used The Edwards Metal Shingles on my residence and consider them superior to any other shingles. I am well pleased with them.

My house has increased in value since your shingles were put on, and several of my neighbors have said they will use your shingles.

Yours truly,

JAS. W. KENNEDY.

Edwards Metal Ceilings and Side Walls



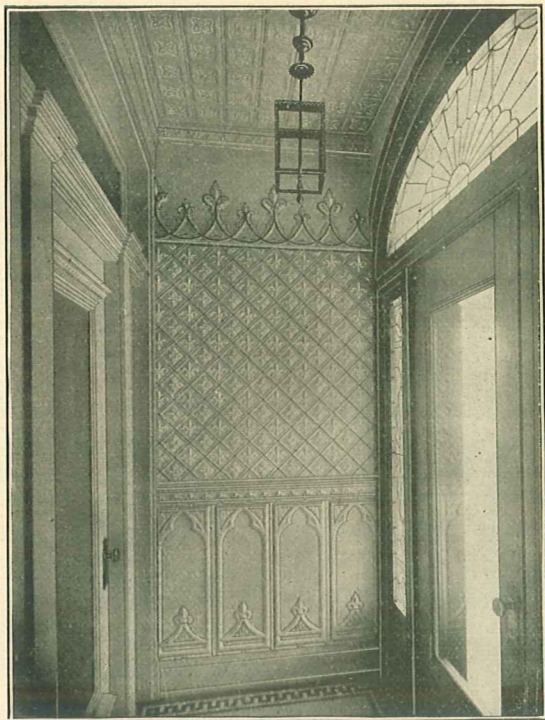
**Gothic Ceiling and Side Wall Design—as
applied to Bath Room**

**Are Economical,
Ornamental, Sanitary,
Permanent, Fire-Proof,
Moisture Proof,
Vermin Proof**

Metal Ceilings are no longer considered a luxury, in fact they are almost a necessity. Make the house cool in summer and warm in winter—absolutely no danger from falling plaster—no repapering necessary.

Send us a rough sketch of room or rooms to be covered (use directions How to Measure) and we will prepare—without any charge to you—a detail drawing showing exactly how the ceiling will look, and forward same, together with a lump price for material delivered f. o. b. your nearest railroad station.

With every Metal Ceiling sold we furnish a complete working plan or drawing, showing the exact location of each Plate, Mold, Cornice, etc. With this plan before you the work of erecting the Ceiling is simply a matter of following straight lines, any ordinary mechanic can do the work.



**Gothic Ceiling and Side Wall design -especially
adapted for Reception Halls, Dining
Rooms, Parlors, etc.**

In addition to being highly ornamental and attractive, The Edwards Metal Ceilings and Side Walls possess many characteristics of a decidedly utilitarian nature, which would seem quite sufficient to alone justify their slight increase in cost over lath and plaster.

Closely joined so as to make them easy and economical to install, they present an almost air-tight surface, and, being incombustible, they tend to greatly protect floors and woodwork in case of fire, and have many times by preventing the spread of flames until the arrival of the fire department saved buildings from destruction. Being of light weight they reduce to a minimum the strain upon trusses and joists. They neither crack or fall as plaster is proven to do, nor shrink and dry out like wood. They do not hold disease germs or vermin and can easily be cleaned with sponge and water.

How to Measure for Metal Ceilings

First take the actual dimensions of the room in feet and inches, then add to each dimension twice the depth of the Cornice to be used. Add to this 4 inches for variation. For example, take a room the measurements of which are 15 feet 0 inches by 39 feet 0 inches.

If your cornice extends down on the wall 12 inches, add 24 inches to each dimension, and then add 4 inches for variation to each dimension, which is tabulated as follows:

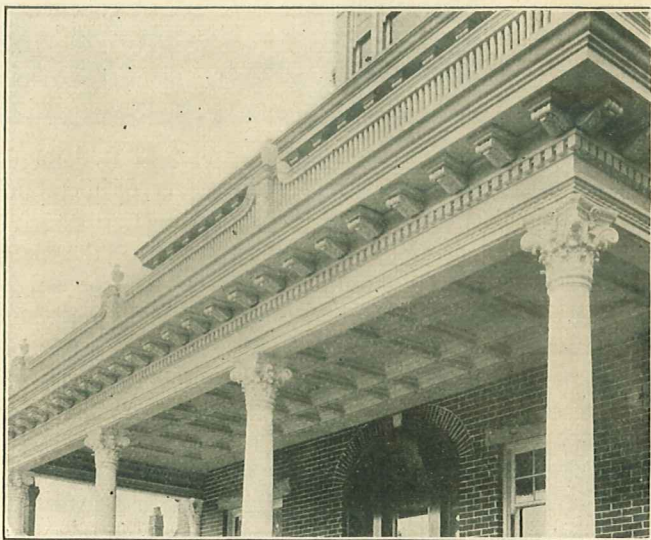
Size of room.....	15 ft. 0 in. x 39 ft. 0 in.
Cornice	2 ft. 0 in. x 2 ft. 0 in.
For variation	0 ft. 4 in. x 0 ft. 4 in.
<hr/>	
Total.....	17 ft. 4 in. x 41 ft. 4 in.

We now have the dimensions, 17 ft. 4 in. x 41 ft. 4 in.; multiplied, gives the actual number of square feet of metal in the entire ceiling, cornice, etc., namely 716 square feet.

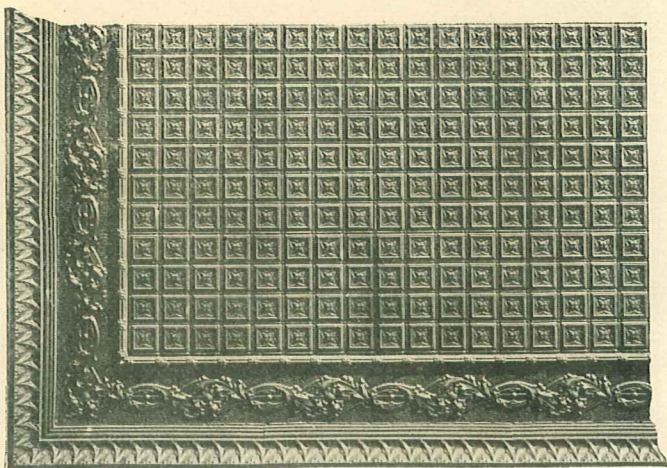
The deeper the cornice, the greater the cost of the material. The selection of its depth should be governed by the height of ceiling. For a room 12 feet high the depth of plate must be considered in making a selection of designs. After the selection has been made and the price agreed upon, multiply the cost of the metal by the square feet in the ceiling. To this must be added the cost of labor for erecting.



Gothic Ceiling and Side Wall Design for Dining Room, note the beautiful effect produced, can be used for Parlors, Reception Halls, Etc.



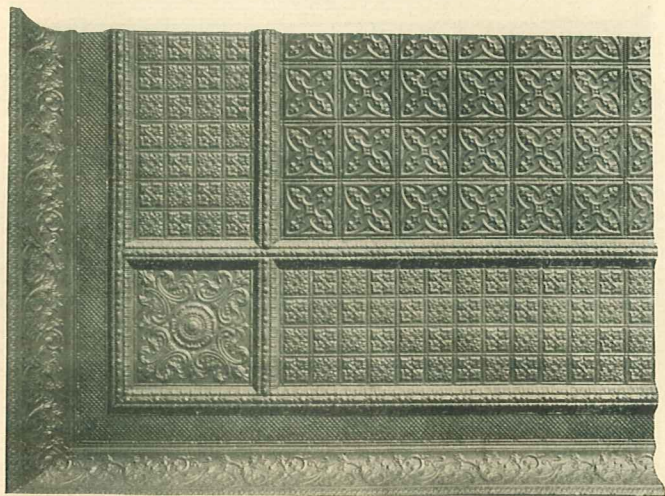
Colonial Panel Design No. P-1920 as applied to Porch Ceiling.



Gothic—Design No. 1973.

Composed of Field 1673, Mold 1678, Filler 1689, Cornice 1672.

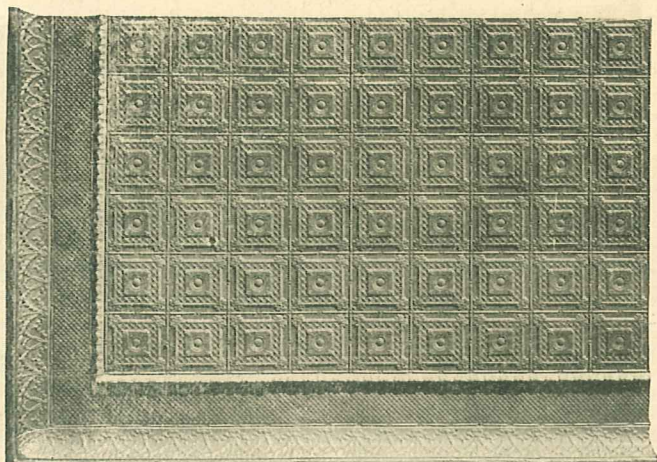
List Price \$8.00 per 100 square feet.



Gothic—Design No. 1909-A.

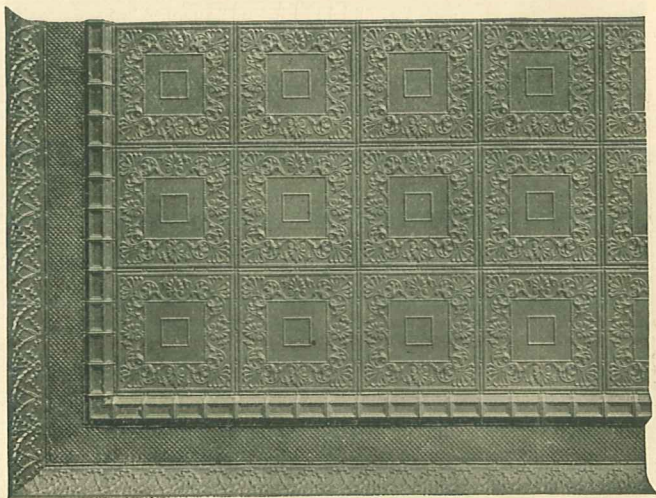
Composed of Field 1609, Mold 1657, Filler 1640, Cornice 1643.

List Price, \$8.50 per 100 square feet.



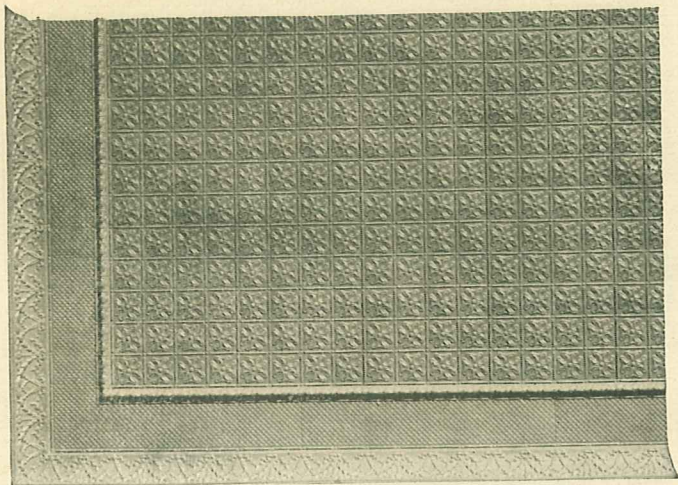
Rococo—Design No. 1911.

Composed of Field 1611, Mold 1662, Filler 1640, Cornice 1646.
List Price, \$8.00 per 100 square feet.



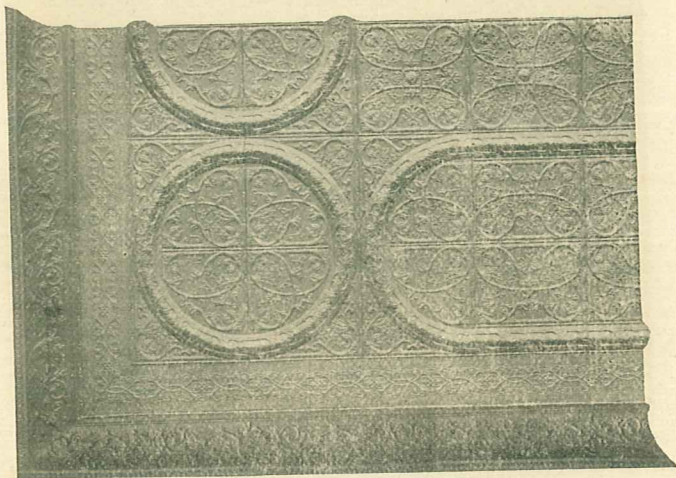
Greek—Design No. 1915.

Composed of Field 1615, Mold 1653, Filler 1640, Cornice 1646.
List Price, \$8.50 per 100 square feet.



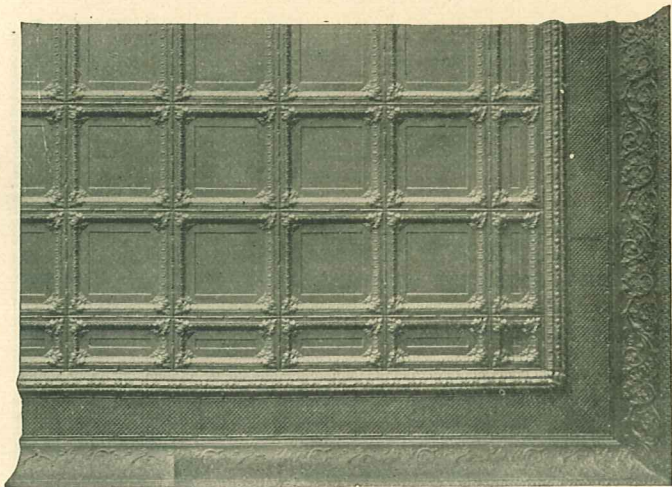
Modern—Design No. 1902.

Composed of Field 1602, Mold 1662, Filler 1640, Cornice 1646.
List Price, \$8.00 per 100 square feet.



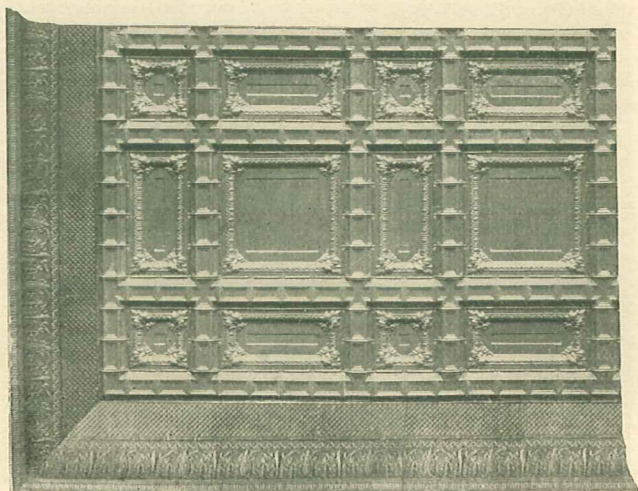
Romanesque—Design No. 1923.

Composed of Field 1613, Border 1625-27, Filler 1619, Cornice 1643.
List Price, \$9.00 per 100 square feet.



Colonial—Design No. 1920.

Composed of Panels 1620-21-22, Mold 1657, Filler 1640, Cornice 1643.
List Price, \$9.00 per 10 square feet.



Colonial—Design No. 1925.

Composed of Panels 1620-21-22, Mold 1653, Filler 1640, Cornice 1644
List Price, \$11.00 per 100 square feet.

